TOP 50

APTITUDE TEST

QUESTIONS & ANSWERS

JOB PLACEMENT TESTS INTERVIEWS & EXAMS



What is Aptitude Test



An Aptitude Test is an pre-employment hiring exam, which is used by to determine an how well candidate is prepared to succeed in a given activity. There are various different aptitude tests employers use, based on the job candidate might be applying for. In this Ebook you will find Top Questions from all Tests listed below:

- Logical Reasoning Test
- Math Reasoning Test
- Numerical Reasoning Test
- Diagraming Reasoning Test
- Situational Judgement Test
- Verbal Reasoning Test
- Abstract Reasoning Test

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About the Author: Vadim Mikhailenko



- MBA and MS Degree in Computer Science
- 20+ years Information Technology Consultant
- 15+ years Professional IT Educator
- Founder of HowToAnalyzeData.net
- Help people to pass interview and Assessment Test to get hired for their dream job

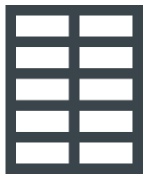
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How to Use this Practice EBook



You would benefit from having a notepad or electronic device to capture your answers to the questions. Go to the page with the practice question 1, without looking at the answer page (do not go to the answer page, until you analyze the question page and come up with the answer).



Record your answer to the question in the notepad (or separate piece of paper or using any electronic device). Once you captured the answer, go to the answer page and review the answer. If you have answered the question correctly go to the next question and repeat the steps. If you have made a mistake, take a note on which question you missed, so you can come back to this question later.



Once you complete the first pass and answered to all the questions in the practice Ebook, consider doing another round of questions and answers, but only for the questions you have answered incorrectly. I would recommend you go through these steps until you can answer all questions correctly.

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Author: Vadim S. Mikhailenko
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Top 50 Aptitude and Assessment Test Questions. With Answers and Explanations

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Bonus Questions. With Answers and Explanations

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Question 1

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Question:

Due to COVID-19 pandemic, the price of microwave oven has increased to $125.00, which represents a 25% increase of the original price. What was the original price of the microwave oven?

Original price	Price after increase	Price increase ratio
?	$125	25%

CHOOSE ONE:

A *$ 90*

B *$ 100*

C *$ 110*

D *$ 105*

Correct Answer

- (125 - **original price**) / **original price** = 0.25
- Lets substitute the **original price** with different choices (A, B, C and D) to see which one leads to the correct result:
  (125 - 100) / 100 = 0.25
- Correct Answer is B, $ 100

B *$ 100*

Question 2

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Test Question

The Math class had 29 enrolled students while 34 students were enrolled into the English class. If 14 students were enrolled into both classes, how many are enrolled in only one of the classes?

A. 15
B. 20
C. 35
D. 63



Test Answer

- How many students are enrolled in the Math class only?

  29 – 14 = 15 students

- How many students are enrolled into the English class?

  34 – 14 = 20 students

- How many total are enrolled in only one of the classes

  15 + 20 = 35 students

- (C) 35 students in only one class but not both

Question 3

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Test Question

First and second bookshelves together have 50 books.
First and third bookshelves together have 40 books.
Second and third bookshelves together have 30 books.
How many books are there on each shelf?

A. 1st - 20 2nd - 30 3rd - 10
B. 1st - 25 2nd - 25 3rd - 15
C. 1st - 30 2nd - 20 3rd - 10
D. 1st - 35 2nd - 15 3rd - 15



Test Answer

- Calculate Number of books on all 3 shelves
- Calculate number on individual shelve, by subtracting count of two-shelves from the total value on all shelves

- Original Bookshelves Pairs Provided
  - 1 & 2
  - 1 & 3
  - 2 & 3

- Total = ((1 & 2) + (1 & 3) + (2 & 3))/2



Test Answer

- The number of books on all three shelves doubled
  50 + 40 + 30 = 120
- Then the number of books on all three shelves
  120 / 2 = 60
- The number of books on the first shelf
  60 – 30 = 30
- The number of books on the second shelf
  60 – 40 = 20
- The number of books on the third shelf
  60 – 50 = 10

- (C) 1st - 30 2nd - 20 3rd - 10

Question 4

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Test Question

Which conclusion follows from the statements below with an absolute certainty?

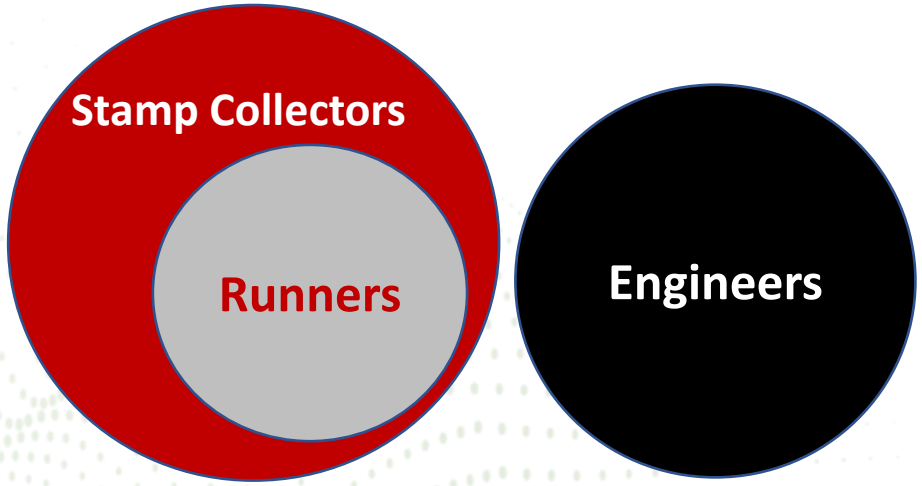
Statement 1: None of the stamp collectors are engineers.
Statement 2: All the runners are stamp collectors.

A. All stamp collectors are engineers
B. No stamp collectors are runners
C. Some runners are engineers
D. Engineers are not runners



Answer & Explanation

- None of the Stamp Collectors are Engineers, thus the Engineers' circle does not overlap with the Stamp collectors' circle
- The Runners ' circle should be within the Stamp collectors' circle since all the Runners are Stamp Collectors
- Therefore the correct conclusion is that Engineers are not Runners - (D) is correct



Question 5

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Test Question

Which number logically follows this number series?

4 6 9 6 14 6 …

A. 6
B. 17
C. 19
D. 21



Answer & Explanation

- The numbers in between “6” increases by 5 while the sixes remain constant
- The correct answer is (C)

4 6 9 6 14 6 19

Question 6



Test Question

How many even 2-digit numbers between 1 and 100 with both digits even ?

A. 50
B. 48
C. 25
D. 20

Digits	0	2	4	6	8
2	20	22	24	26	28
4	40	42	44	46	46
6	60	62	64	66	86
8	80	82	84	68	88

Test Answer

- First number can be 2, 4, 6, 8
- Four possibilities of the first even number
- Second number can be 0, 2, 4, 6, 8
- Five possibilities of the second even number
- The total possibilities of the two digits number where both digits are even between 1 and 100

  4 x 5 = 20
- Please look at the table diagram in the left top corner for a visual reference explaining this problem

- (D) 20

Question 7



Test Question

A student sets her budget for groceries at $X.
If for each of N days she uses $Z worth of groceries, which of the following expressions represents the amount left in her budget?

A. ***X - N***
B. ***X - Z***
C. ***NX - Z***
D. ***X - NZ***



Test Answer

- A student sets her budget for groceries at $X
- She uses $Z worth of groceries in N days

  N * Z

- The budgeted amount minus the actual expense represents the amount left in her budget

  X - NZ

- (D) X - NZ

Question 8



Test Question

Which answer expresses the meaning of the word *reassuring* best?

A. Compassionate
B. Comforting
C. Explanatory
D. Meddlesome



Answer & Explanation

Reassuring someone does not mean:

- **Showing compassion**
- **Explaining something**
- **Meddling in his/her affairs**
- **The correct answer is (B) ‘Comforting'**

Question 9





Test Question

How many of the Insurance Bonds are roughly British considering there're 990,500,000 bonds globally and only 5% were issued in England?

A. 4,995,000
B. 49,550,000
C. 50,000,000
D. 495,250,000



Answer & Explanation

- The total number of Insurance Bonds
  990,500,000
- The exact number of British Bonds
  990,500,000 x 0.05 = 49,525,000
- The trick here is how you would round up
- The correct answer is (B)

Question 10



Test Question

Bob is using a new set of golf clubs. With an 8 iron club the ball travels an average distance of 100 yards, with a 7 iron - 108 yards, with a 6 iron club - 114 yards. How far will the ball go if Bob uses a 5 iron club?

A. 120 yards
B. 119 yards
C. 118 yards
D. 117 yards



Answer & Explanation

- With each club with a lower number, the ball travels farther by the difference between the numbers of previous two clubs, minus 2 yards

  114 - 108 = 6

  6 - 2 = 4 yards

  114 + 4 = 118

- The correct answer is (C) 118 yards

Question 11

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Test Question

What fraction of the initial amount was left in Ann's account after paying 1/6 of it for the rent, then 2/5 of the remainder to the credit card company, and $450 for the new TV. The initial amount in her bank account was $2,400.

A. 29/240
B. 11/15
C. 7/48
D. 5/16
E. 1/4



Answer & Explanation

- $2,400 x 1/6 = $400 payment for Rent
- $2,400 - 400 = $2,000 left after the Rent
- $2,000 x 2/5 = $800 Credit Card payment
- $2,000 - $800 = $1,200 left after Rent & CC
- $1,200 - $450 = $750 after the TV purchase
- The fraction left after all monthly payments:
- 750/2400 = 75/240 = 25/80 = 5/16
- Correct answer is (D)

Question 12

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Test Question

According to the policy, the Insurance Company pays 60% in the case of a theft and 50% in the case of a water damage. How much will a client pay to replace his cell phone worth $1,100 if it was stolen with a $50 deductible?

A. 470
B. 550
C. 610
D. 630



Answer & Explanation

- First, the deductible is subtracted
  $1,110 - $50 = $1,050
- Then the insurer's contribution is calculated
- The company pays 60% in a case of a theft
  $1,050 x 0.6 = $630
- The client would pay
  $50 + ($1,050 - $630) = $470
- The correct answer is (A)

Question 13

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Test Question

A student can rent a violin from a music store for $15/month for the first three months and then $10/month for each of the following months.

How much would he pay for rent if he needs a violin for 9 months?

A. $90
B. $105
C. $120
D. $135



Test Answer

- First three months
  $15/month x 3 = $45
- Discounted rent $10/month
  9 – 3 = 6 months
- The rent for the following 6 months
  $10/month x 6 = $60
- The total cost of the violin rent for 9 months
  $45 + $60 = $105

- **(B)** 105

Question 14

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Test Question

What is the sum of all numbers from 1 to 100?

A. 2050

B. 3050

C. 4050

D. 5050



Test Answer

- There are 50 pairs of numbers from 1 to 100
- The sum of the first and the last number

  1 + 100 =101
- The next additions

  2 + 99 = 101

  3 + 98 = 101

  4 + 97 = 101
- The sum of all numbers for 50 pairs

  101 x 50 = 5050

- (D) 5050

Question 15

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Test Question

There are three times as many black marbles in a bag as red marbles – 100 total. What would be the probability of taking a black marble out of the bag and then choosing another black marble if the number of red marbles was doubled?

A. 203/301
B. 111/310
C. 37/62
D. 9/25
E. 3/5

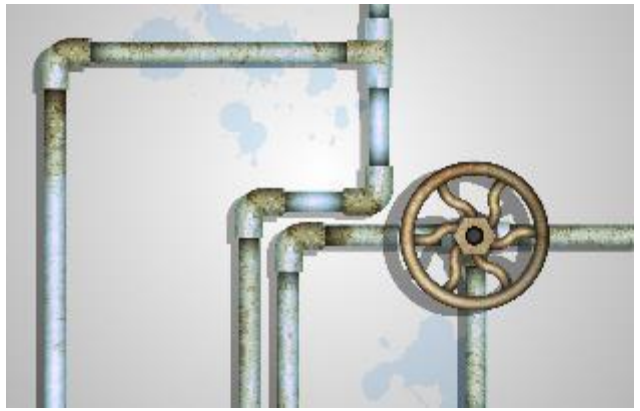


Answer & Explanation

- ¼ red + ¾ black = 100 total
- After the red marbles were double:
  25 red x 2 + 75 black =125 total
- Probability of taking out a black marble the first time
  75/125=3/5
- Number of the black marbles left in the bag
  75-1/125-1 = 74/124
- Probability of taking out a black marble the second time
  3/5 x 74/124=(3x74)/(5x124)=222/620
- Simplifying (222/2) / (620/2) = 111/310
- The correct answer is (B)

Question 16

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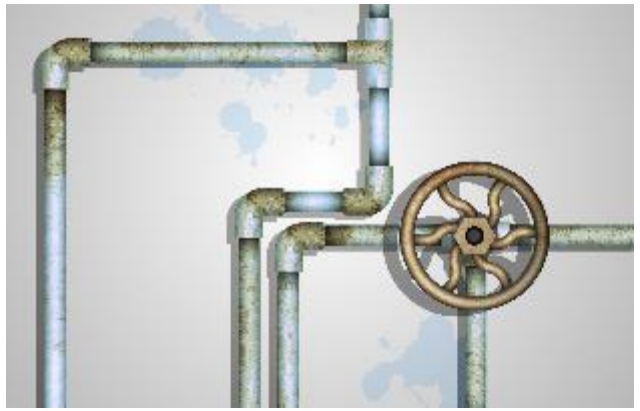


Test Question

Which word can logically replace the question mark?

Water is to a pipe as ? is to a wire.

A. Electricity
B. Voltage
C. Current
D. Heat
E. Cord

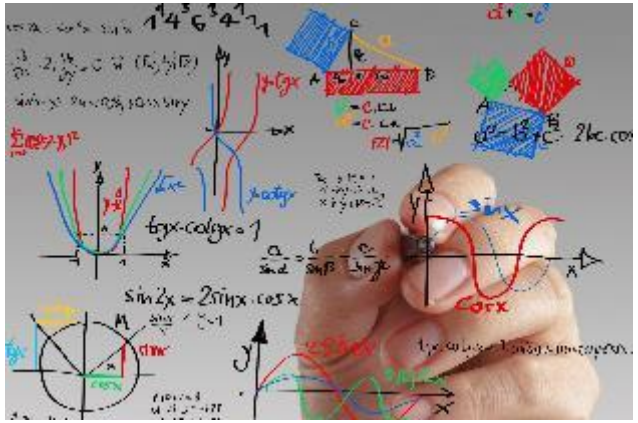


Answer & Explanation

- An analogy explains one thing in terms of another to highlight the ways in which they are alike
- Water is to a pipe as electricity is to a wire
- The correct answer is (A)

Question 17

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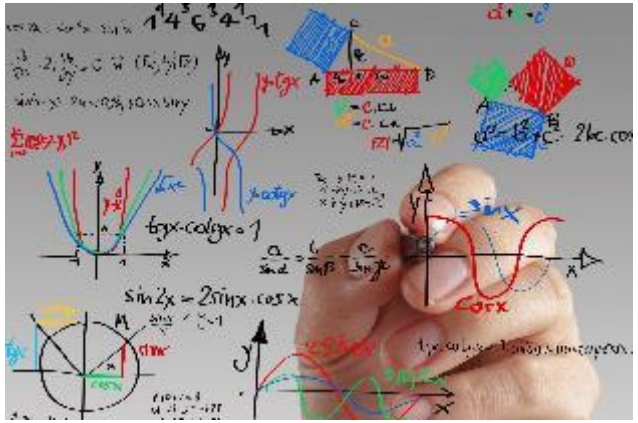


Test Question

Solve x from this equation:

9 - 3 / 1/3 + 1 = x

A. x = 1
B. x = 2
C. x = 7
D. x = 9



Answer & Explanation

- **Division always calculated first:**

  3 / 1/3 = 9

- **The statement above is the same as**

  3 x 3 = 9

- **Then you proceed with the adds and subtracts**

  9 - 9 + 1 = 1

- **The correct answer is (a)**

Question 18

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Test Question

The sum of two father's ages is 80, the sum of two son's ages is 40, the sum of the father's and the son's age is 60. How old are each of the three mentioned people?

A. 60, 20, 10
B. 55, 25, 10
C. 50, 30, 10
D. 55, 25, 15



Test Question

- Multi-Generation Family. Three people are:
  - a grandfather who's also a father (G)
  - a son who's also a father (F)
  - and a son who's also a grandson (S)
- Each person is in calculations twice.

  (G + F) = 80

  (F + S) = 40

  (G + S)= 60



Test Question

- Sum of all three ages twice
  (G + F) + (F + S) + (G + S)= 80 + 40 + 60 = 180
- Sum of all three ages
  180 / 2 = 90
- Age of the grandson
  90 – (G + F) = 90 – 80 = 10
- Age of the father
  90 – (G+S) = 90 – 60 = 30
- Age of the grandfather
  90 – (F+S) = 90-40 = 50
- (C) 50, 30, 10

Question 19

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Test Question

The father of three kids is 41 years old. His oldest son is 13, the middle son is 10, and the youngest son is 6 years old. In how many years the age of the father would be the same as the sum of his kid's ages?

A. 5 years
B. 6 years
C. 9 years
D. 12 years



Test Question

- A sum of ages of all three kids
  13 + 10 + 6 = 29
- The difference of the father’s age and kids’ ages sum
  41 – 29 = 12
- Every year the kids age would increase by 3, while fathers’ age by 1
  3-1 = 2
- The father’s age would be the same as the sum of his kid's ages
  12 / 2 = 6 years
- (13+10+6)+3X=41+X, 29+2X=41, 2X=12, X=6

- (B) 6 years

Question 20

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Test Question

The pitcher has three times more water than the coffeemaker, while the coffeemaker has 12 cups less water than the pitcher.
How many cups of water are there in a pitcher?

A. 12
B. 18
C. 20
D. 24



Test Question

- The pitcher has three times more of water than the coffeemaker P = 3 x C
- The coffeemaker has 12 cups less water than the pitcher

  C = P - 12

  P = C + 12

  3 x C = C + 12

  C= 12 / 2 = 6
- The coffeemaker has 6 cups of water
- The pitcher has 12 + 6 = 18 cups of water

- (B) 18

Question 21

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Test Question

The younger brother received 20 baseball cards on his birthday from his older brother.
Now, both brothers have the same number of baseball cards totaling to 100 cards.
How many cards did each brother have initially?

A. older 50, younger 50
B. older 55, younger 45
C. older 60, younger 40
D. older 70, younger 30



Test Question

- Since both brothers have the same number of baseball cards totaling to 100 cards, then each brother has
  100 / 2 = 50
- Initially the older brother had
  50 + 20 = 70
- The younger brother had
  50 – 20 = 30

- (D) older 70, younger 30

Question 22

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Question:

If John can finish a job in 6 hours and Lucy can finish the same job in 12 hours, how many minutes will it take both of them together to finish the job?

CHOOSE ONE:

A *200 min*

B *210 min*

C *220 min*

D *240 min*

Correct Answer

- John's rate: (1 job) / (6 hrs.) Lucy's rate: (1 job) / (12 hrs.)
  Add their rates of working to get rate working together $\frac{1}{6} + \frac{1}{12} = \frac{1}{t}$
- 2t+t=12 3t=12 t=4 hrs.
  Convert to minutes
  4X60=240min
- It will take them 240 min working together.

D *=240 min*

Question 23

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Question:

The enrollment in a certain college was 2500 in 1979. By 1980 the enrollment had increased by 21%. What was the enrollment in 1980?

CHOOSE ONE:

A 3075

B 3025

C 3175

D 3125

Correct Answer

- 21% of 2500 = $\frac{21}{100}$ X 2500
- = 525
- So, enrollment in 1980 was 2500 + 525 = 3025

B *=3025*

Question 24

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Question:

Questions on the quiz contain “yes”, “no” and “maybe” answers. There are 6 total on the quiz. How many ways can these be answered?

CHOOSE ONE:

A 360

B 729

C 180

D 689

Correct Answer

- Each of the questions can be answered in 3 ways (yes , no and maybe)
- Therefore, no. of ways of answering 6 questions
- $=3^6=729$ ways.

B *=729*

Question 25

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Question:

40 people can repair a road in 10 days, working 6 hours a day. In how many days will 30 people, working 8 hours a day, complete the work?

CHOOSE ONE:

A 13 days

B 18 days

C 10 days

D 15 days

Correct Answer

- 40 people = 6 hours = 10 days
- 30 people = 8 hours = ?
- 40 x 6 x 10 = 2400
- 2400 units of work
- 2400/8 = 300 days required for 1 person doing 6 hours a day
- 300/30 = 10.
- It will take 30 people, who put in 8 hours a day, 10 days to complete the task.

C *=10 days*

Question 26

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Question:

Which one of the four is least like the other three

CHOOSE ONE:

A *Car*

B *Bus*

C *Bicycle*

D *Van*

Correct Answer

- All are vehicles, but three of them need fuel
- Answer is Bicycle, it doesn't need fuel

C *Bicycle*

Question 27

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Question:

Find the missing value using the pattern

1	2	2	4	8	?	256

CHOOSE ONE:

A *20*

B *32*

C *64*

D *144*

Correct Answer

- Next number of the series is generated from multiplication of previous two numbers
- Missing number = 8 * 4 = 32
- Answer is B, 32

B *32*

Question 28

online TRAINING FOR EVERYONE

Question:

Find the last number using the pattern

2	6	12	20	30	42	?

CHOOSE ONE:

A *60*

B *64*

C *52*

D *56*

Correct Answer

- 6=2+4, 12=6+6, 20=12+8, 30=20+10, 42=30+12
- Next number should be last number + 14, which is 42+14=56
- Answer is D, 56

D *56*

Question 29

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Question:

Find the next value pair using the pattern

1	2	2	5	3	10	?	?

CHOOSE ONE:

A *5 20*

B *6 35*

C *4 17*

D *7 42*

Correct Answer

- Second number of a pair is equal to (square of first number + 1) and first number of the pairs are 1, 2, 3, ...
- First number of next pais should be 4, second number = (4*4) + 1 = 17
- Answer is C, 4 17

C *4 17*

Question 30

online TRAINING FOR EVERYONE

Question:

Find the missing value using the pattern

4	5	18	81	?	2065

CHOOSE ONE:

A *121*

B *256*

C *322*

D *388*

Correct Answer

- (4*1) * (1^3) = 5
  (5*2) * (2^3) = 18
  (18*3) * (3^3) = 81
  (81*4) * (4^4) = 388
  (388*5) * (5^5) = 2065
- According to the pattern missing number is 388, Answer is D.

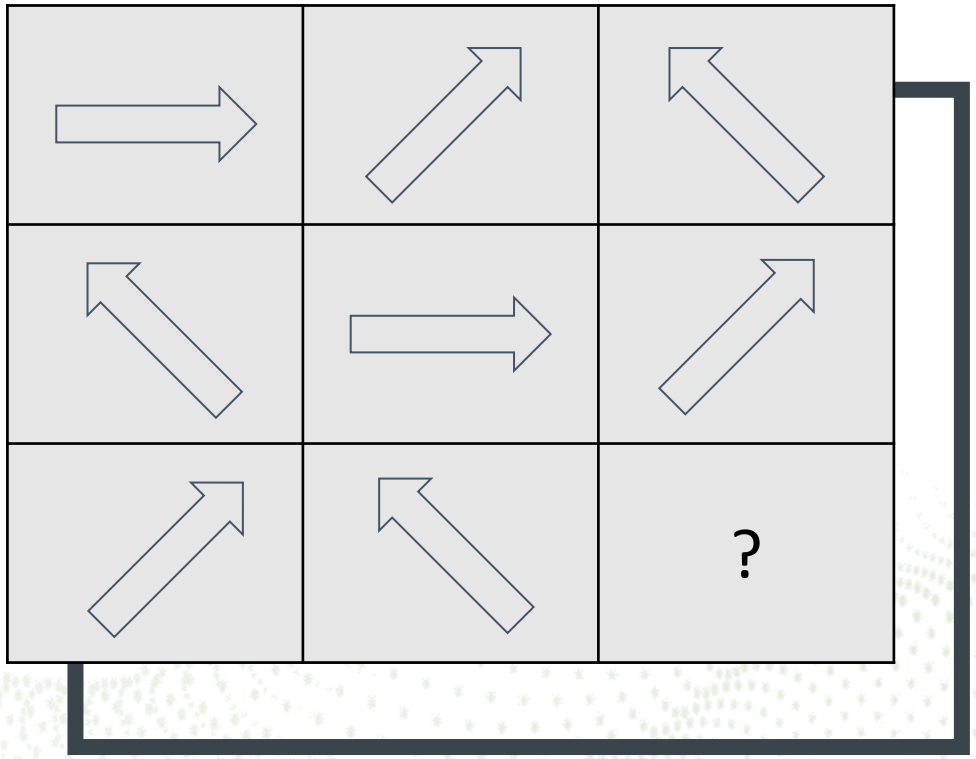
D *388*

Question 31

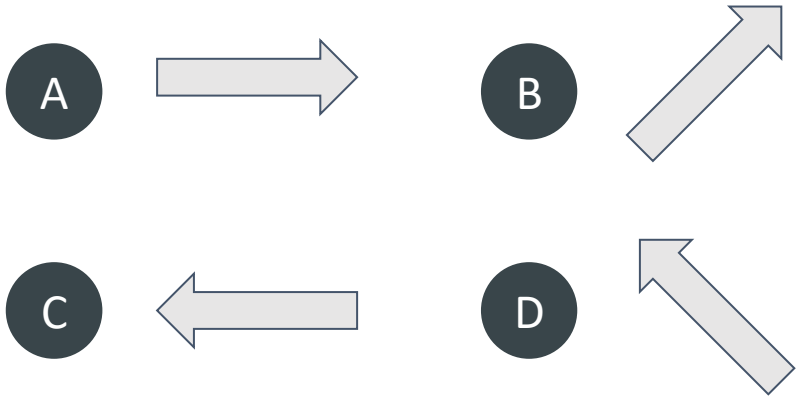
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Question:

Select an arrow, which logically belongs in the rectangle with the question mark?

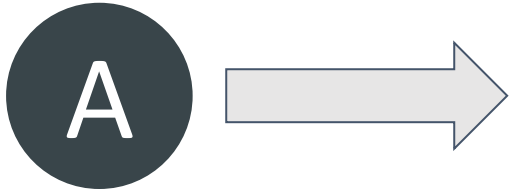


CHOOSE ONE:



Correct Answer

- Each row has three arrows
- All three arrows are directed to three directions
- According to the pattern, correct answer “A” since the arrow which directed to right side is missing..



Question 32

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Question:

A girl starts to run at the speed of 5mph. After one hour a boy starts to run at 10mph speed from same location and going in the same direction. How long will it take for the boy to catch up with the girl?

CHOOSE ONE:

A *1 hour*

B *30 minutes*

C *45 minutes*

D *1.5 hours*

Correct Answer

- Boy has twice of girl's speed. Boy will only take half of the time to run same distance compared to the girl.
- After an hour girl already run 5m and she will run another 5m in following hour. Boy will run 10m in an hour. Girl runs 10m in two hours and it will only take 1 hour for the boy to run 10m.
- Boy will reach the girl in one hour

A *1 hour*

Question 33

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Question:

Find the missing value using the pattern

1	2	3
2	4	6
3	6	?

CHOOSE ONE:

A *8*

B *10*

C *9*

D *12*

Correct Answer

- Each row and each column follows the pattern
- 1 + 2 = 3
  2 +4 = 6
- The correct answer is C, since 3+6=9

C *9*

Question 34

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Question:

Which number should come next in the pattern

1, 1, 2, 3, 5, 8, 13, ?

CHOOSE ONE:

A *22*

B *21*

C *24*

D *23*

Correct Answer

- There is a pattern to decide the next number of the series.
  Next number is the addition of previous two numbers
- Example : 2 = 1+1, 5=3+2, 8=5+3
- Answer is “B”. 13 + 8 = 21

B *21*

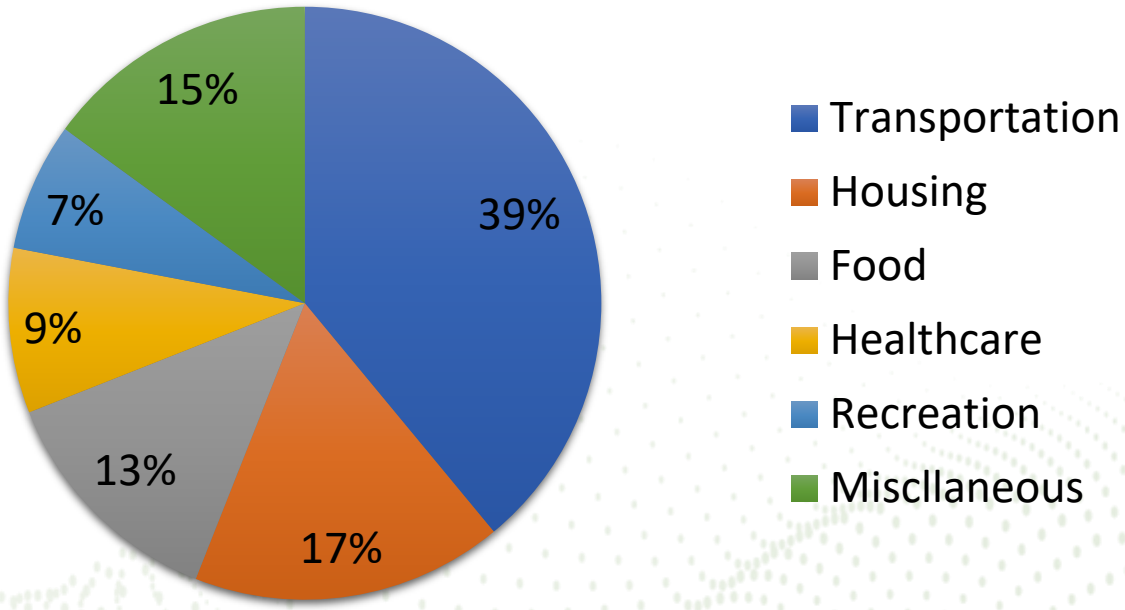
Question 35

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Question:

If the family spent a total of $60,000 in 2020.
Approximately how much of it was spent on food?

Family budget of a year 2020



CHOOSE ONE:

A *= $7,800*

B *=$9,000*

C *=$10,200*

D *=$12,600*

Correct Answer

- The pie chart gives the percentage of the family's budget that is spent in six different categories. Notice that food takes up 13% of the budget. Therefore, multiply 0.13 (the decimal equivalent of 13%) by $60,000.
- 0.13 x$60,000 = $7,8000.13 x$60,000 = $7,800
- Thus, the family spent about $7,800 on food.

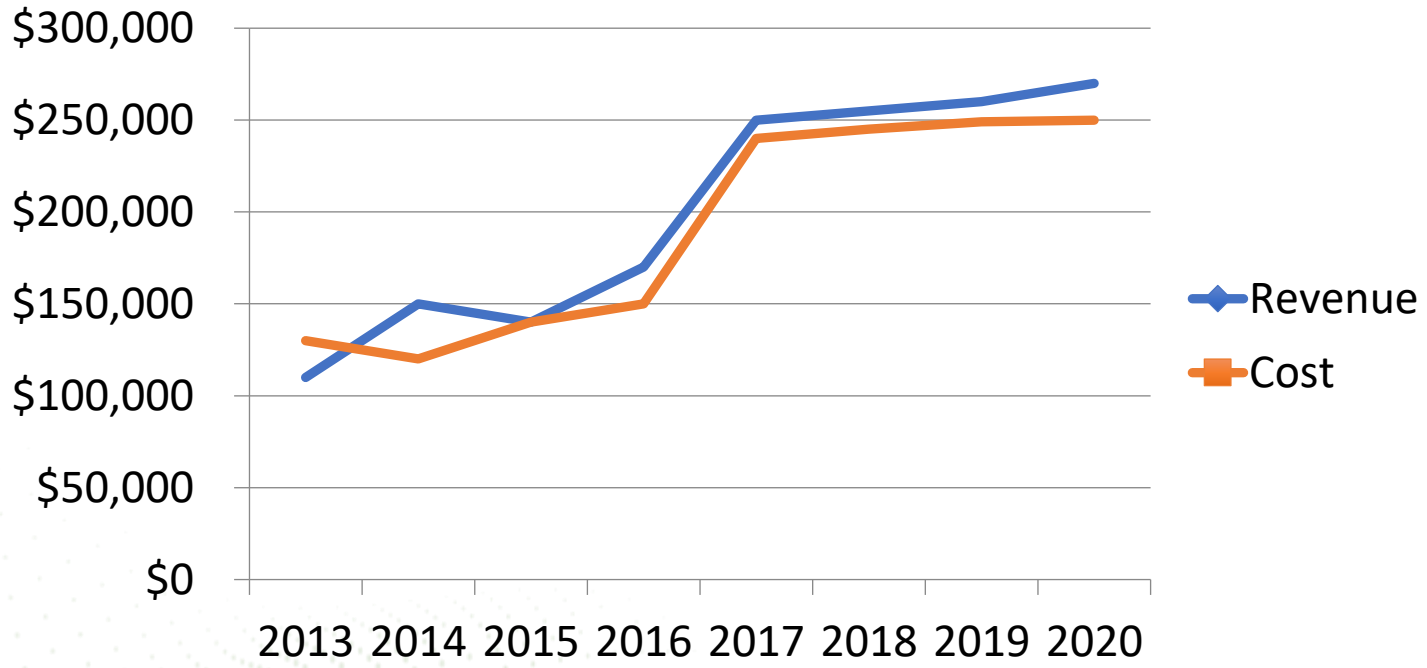
A *=$7,800*

Question 36

online TRAINING FOR EVERYONE

Question:

Review the graph on the picture and answer the question. During which period did the revenue of the company declines?



CHOOSE ONE:

A *=2014 to 2015*

B *=2019 to 2020*

C *=2013 to 2014*

D *=2016 to 2017*

Correct Answer

- The line graph shows the revenue and costs of a small company between the years 2014 and 2020. To estimate changes in revenue over any over the course of a year, look at the blue line.
- Notice that the only place the line goes down is between the years 2014 and 2015.
- Therefore, the revenue decreased during this period.

A *=2014 to 2015*

Question 37

online TRAINING FOR EVERYONE

Question:

Find the missing number in the given series
12, 38, 116, 350, 1052, ?

CHOOSE ONE:

A 2200

B 1800

C 3158

D 2800

Correct Answer

- 38 × 3 + 2 = 116
- 116 × 3 + 2 = 350
- 350 × 3 + 2 = 1052
- 1052 × 3 + 2 = 3158

C *=3158*

Question 38

online TRAINING FOR EVERYONE

Question:

Z2 | Y4 | X8 | W16 | ?
What will come at the place of question mark?

CHOOSE ONE:

A V32

B S32

C V24

D *S24*

Correct Answer

- The series in this question follows 2 sets of rules:
- 1) The letters decrease by -1.
  2) The numbers double each time.
- In this question the answer would be V32

A = V32

Question 39

online TRAINING FOR EVERYONE

Question:

If exchange rate for USD is equal to 0.62 EUR, how many Euros can you buy for 200 USD?

CHOOSE ONE:

A 188 EUR

B 88 EUR

C 124 EUR

D 176 EUR

Correct Answer

- Multiply 200USD by 0.62EUR
- 200*0.62
- =124 EUR

D *=124 EUR*

Question 40

online TRAINING FOR EVERYONE

Question:

The pie chart shows the colors of cars, which passed underneath a bridge during a one-hour period. A total 510 cars passed under the bridge. The number of yellow cars is represented by an angle of 60 degrees on the graph. How many yellow cars passed under the bridge?



CHOOSE ONE:

A =75

B =65

C =95

D =85

Correct Answer

- We know that in a circle there is a total of 360°, thus the proportion of yellow cars can be expressed as the following fraction:
- $\frac{60°}{360°}$
- If $\frac{60°}{360°}$ of the total number of cars were yellow, then the number of yellow cars can be calculated as follows:

$\frac{60°}{360°}$ X 510 cars = 85 Yellow cars

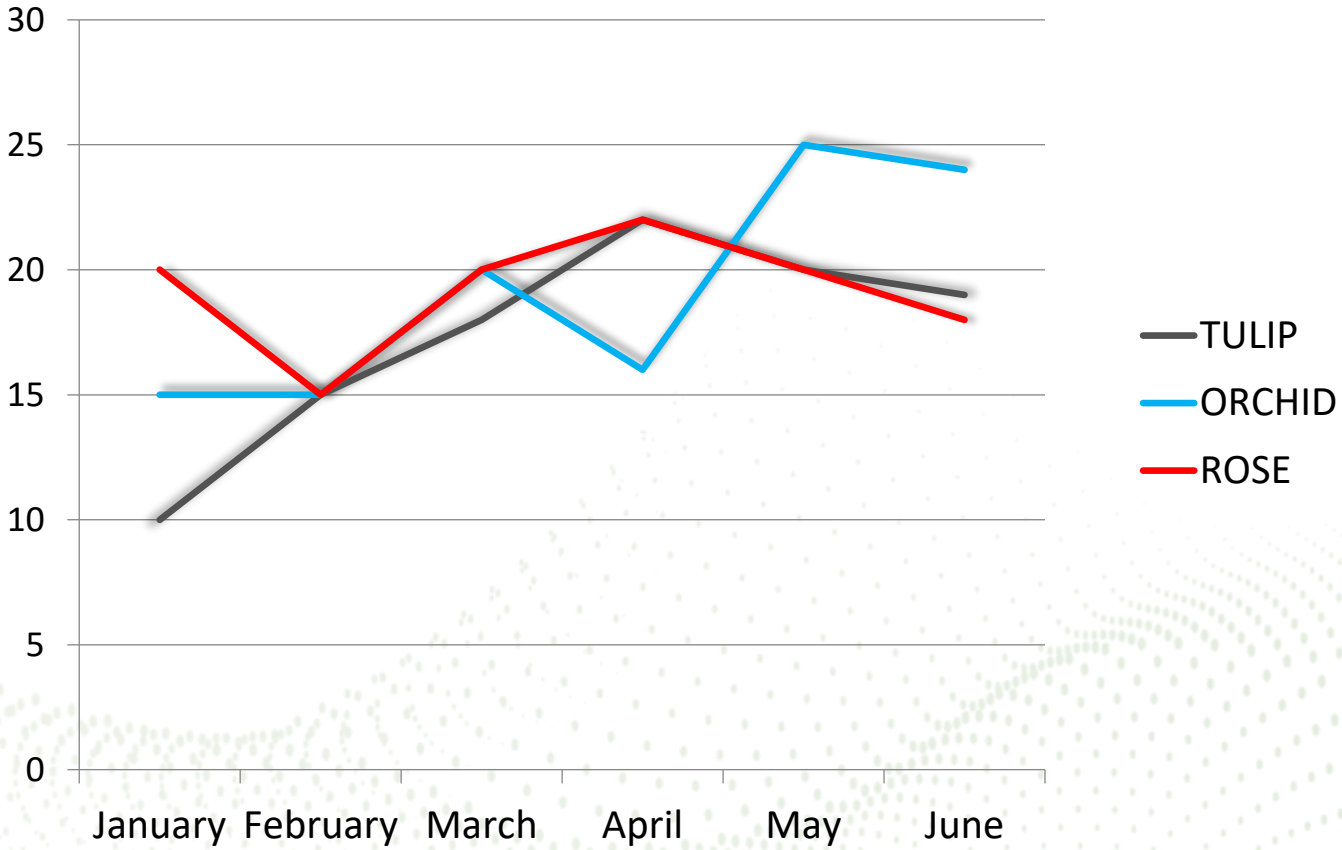
D *=85*

Question 41

online TRAINING FOR EVERYONE

Question:

Which of the following options represents the largest price increase in a single month?



CHOOSE ONE:

A. Tulip from January to February

B. Tulip from March to April

C. Orchid from April to May

D. Rose from February to March

Correct Answer

- Based on the graph, the price of a Tulip (the red line) increased by $5 from January to February, and $5 from March to April.
- An Orchid's price (the blue line) increased from April to May by nearly $10, while the price of a Rose (the green line) increased by $5 from February to March.
- Therefore, the Orchid recorded the biggest increase.

C *=Orchid from April to May*

Question 42

online TRAINING FOR EVERYONE

Question:

Below table shows exchange rates in British Pounds. How many more Hong Kong Dollars (HKD) could you buy with 1000 British Pounds in 2019 compared to 2020?

Currency	2019	2020
AUD Australian Dollar ($)	1.49	1.31
USD US Dollar ($)	1.53	1.32
EUR Euro (€)	1.19	0.97
HKD Hong Kong Dollar (£)	10.11	9.95

CHOOSE ONE:

A =170HKD

B =180HKD

C =150HKD

D =160HKD

Correct Answer

- Calculate the number of HKD you can buy in 2019: 1,000 x 10.11 = 10,110 HKD
- Calculate the number of HKD you can buy in 2020: 1,000 x 9.95 = 9,950 HKD
- Subtract the two to get the difference: 10,110 - 9,950 = 160 HKD

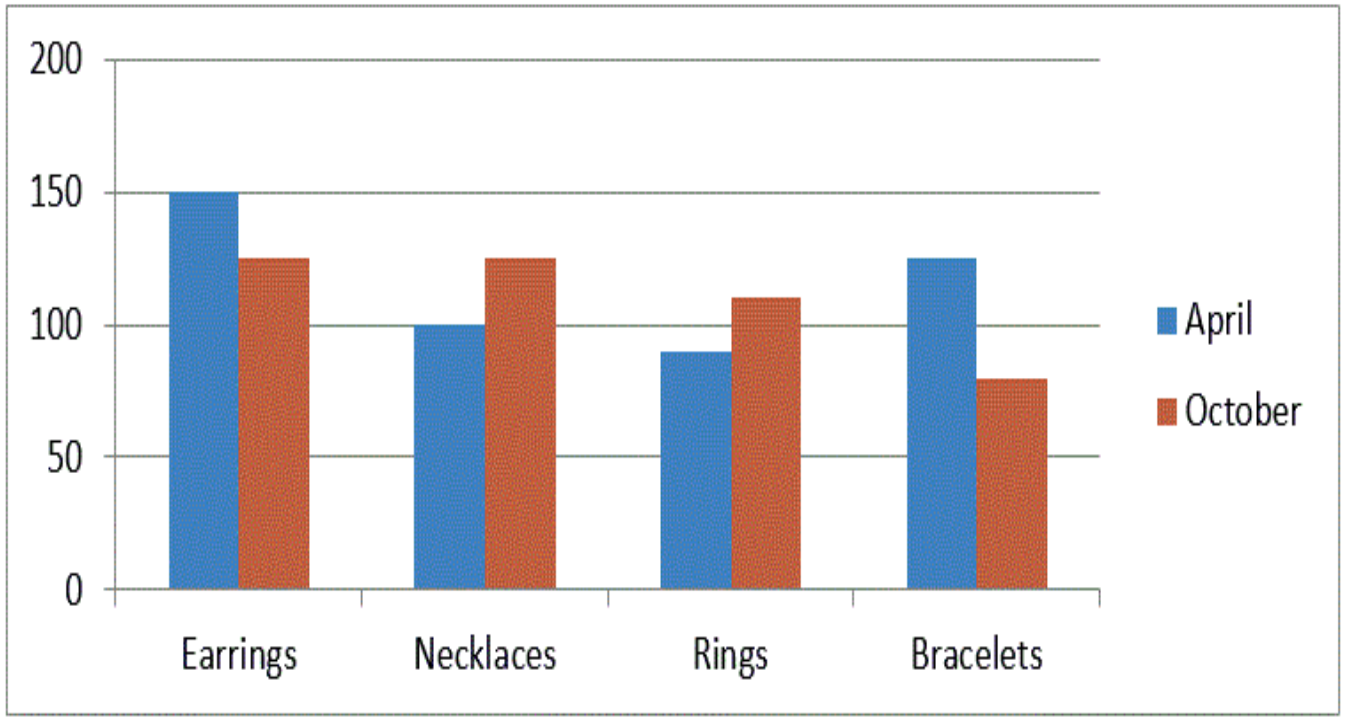
D *=160HKD*

Question 43

online TRAINING FOR EVERYONE

Question:

Approximately, what percentage of jewelry sales in October were Bracelets?



CHOOSE ONE:

A Around 11%

B Around 18%

C Around 25%

D Around 40%

Correct Answer

- Based on the bar graph, sales of Bracelets are represented by the red bar. As the precise figures are not given for each jewelry item, we need to approximate the number of items sold. To find what is the total number of items sold in October we need to add the approximate number of items sold for each type of jewelry.

- Based on the bar graph, the approximate total number of items sold in October is: around 125 Earrings + around 125 Necklaces + around 110 Rings + around 80 Bracelets= around 440 items. If the number of bracelets sold in October was around 80 then if we divide 80 by 440 and multiply by 100 to get the percentage, we get a little over 18%.

- Therefore, the nearest option to this figure is 18%.

C *=Around 18%*

Question 44

online TRAINING FOR EVERYONE

Question:

There are 28 women and 21 men attending Online Webinar. What is the ratio of women to the total number of people?

CHOOSE ONE:

A 4 : 7

B 4 : 3

C 5 : 7

D 28 : 21

Correct Answer

- The ratio of man to women is

  Men : women = 21 : 28 = 3:4

- The ratio of women to the total number of people

  Women : total number of people

- = 28 : 49 = 4 : 7

A = 4 : 7

Question 45

online TRAINING FOR EVERYONE

Question:

Five years ago, the ratio of the ages of Rimmy and Sid was 8 : 10. Six years hence, the ratio of their ages will be 16 : 18. What is Sid's age at present?

CHOOSE ONE:

A 16.5 years

B 20.5 years

C 18.5 years

D 24.5 years

Correct Answer

- Let the ages of Rimmy and Sid 5 years ago be 8x and 10x respectively.

  Then,

- $\frac{(8x+5)+6}{(10x+5)+6} = \frac{16}{18}$

  18(8x + 11) = 16(10x + 11)

  => 16x = 22 => x = 1.35

- Sid present age = (10x + 5) = 18.5 years

C *=18.5 years*

Question 46

online TRAINING FOR EVERYONE

Question:

Emily buys a car for $9,000 an sells it for $12,000. Calculate approximate profit Emily has made in this transaction:

CHOOSE ONE:

A *54%*

B *40%*

C *30%*

D *44 %*

Correct Answer

- Original Price = $ 9000

  Sale Price = $12000

- Profit = $12000 - $9000 = $3000

- Profit% = $ 3000 $\times \frac{100}{9000}$

- = 30.00%

C =30%

Question 47

online TRAINING FOR EVERYONE

Question: 12

If 500 candidates attempted an Excel Assessment Test and 155 of them failed, what percentage of them passed the test?

CHOOSE ONE:

A 65%

B 69%

C 75%

D 79%

Correct Answer

- Candidates who passed = 500-155
  = 345
- $= \frac{345}{500}$ X 100
- = 69% passed the test

B =69 %

Question 48

online TRAINING FOR EVERYONE

Question:

Victor sells a watch to Suzanne at a 15% Profit and Suzanne sells it to Anna at 10 % Profit . If Anna has to pay $310 for it, the cost price of the watch for Victor is?

CHOOSE ONE:

A *$260*

B *$245*

C *$270*

D *$255*

Correct Answer

- Let the cost price of the watch for victor be x
  Victor sells the watch to Suzanne at 15% profit
  = 1.15 *x
- Suzanne sells the watch to Anna at 10% profit =
  1.10*1.15x = 310
- => x = 310/(1.10 X 1.15) = $245

B *=$245*

Question 49

online TRAINING FOR EVERYONE

Question:

A fitness instructor purchased a ball at a store but decided that she doesn't need it. She sold a ball for $16.00 to make a 15% profit on Facebook Marketplace. In order to earn a 20% profit , he should have sold it for?

CHOOSE ONE:

A $14.69

B $15.69

C $16.69

D $17.69

Correct Answer

- 0.15X = $16
- X = $16/1.15 = $13.91
- $13.91 + 0.20($13.91) = $16.69

C *=$16.69*

Question 50

online TRAINING FOR EVERYONE

Question:

The average age of a class of 30 students is 15 years. If the teacher age is also included, the average age increases by one year. The teacher's age is?

CHOOSE ONE:

A *26 years*

B *56 years*

C *46 years*

D *36 years*

Correct Answer

- Assume x be the Age of the student. Average age of 30 students = 15 years
  Total age is :30x = 15 X 30
  30x = 450 -> Equation 1
- Let teachers age be y
  Average age of 31 people (30 students + 1 teacher) = 16 years
  30x + y = 496 -> Equation 2
- Subtracting equation 1 from equation 2, we get y = 46
  Age of teacher = 46 years

C *=46 years*

Bonus Material
Assessment Test Tips and Tricks

Smartest Ways to Prepare for Assessment Test

- Use outlines from Test provider (Indeed.com, SkillsCheck, IKM) and review their sample questions
- Take Online Training Courses, if available
- Download and read Excel Books and eBooks
- Download and Use Practice Tests
- Post questions and Comments of relevant YouTube Videos to Get Answers
- Consider subscribing to **Online Training for Everyone** YouTube Channel to get notifications on the latest Assessment Test Questions used on the tests

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Best Practices During Assessment Test

- Try to schedule test in the morning, when you have high levels of energy
- Get a good sleep before the test.
  - Do not take a test if you are tired
- Read Question carefully (ideally more than once)
- Answer easy questions first (if you have a choice)
  - This would allow you to leave harder questions for the end, but you will get easy answers in
- Validate your answer with more than one method (i.e. Common sense, Manual Calculations, Use Calculator etc.)

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Assessment Test during COVID-19



1. Be prepared for Assessment Test at Home
   - You might be monitored and timed
2. Anticipate questions based on the job position
3. Research and practice before the test
4. Reflect after the test and take notes
   - Use these notes to get ready for next test
5. Improve your Skills in Between Tests by taking Practice tests and timing yourself

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Smart Ways to Learn using YouTube Videos



- Dedicate uninterrupted chunks of time
- When your attention drifts take a break
- Download workbooks to repeat steps
- Try to watch from start to finish
- Set the playback speed so that it
  - Keeps you engaged
  - Gives you time to absorb the content
  - Pause the video to try out the material

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Proven Ways to Learn Faster

Mixed mode learning is the most effective

- Use variations of resources
- Alternate between different resources

Example:

- Watch YouTube Video
- Practice the steps in Excel
- Read related topics in the eBook
- Experiment with variations of questions

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Bonus Materials
Additional Questions and Answers

Question:

Read below sentence and give the correct answer

Book is to reading as fork is to ___:

CHOOSE ONE:

A *Painting*

B *Writing*

C *Eating*

D *Lifting*

Correct Answer

Forks are used during dining and meal consumption

C *Eating*

Question:

Which of the following can be arranged in to a 5-letter English word

CHOOSE ONE:

A *F G O A T*

B *A P S E H*

C *R Y I P O*

D *D A E P W*

Correct Answer

- Correct answer is B

- APSEH can be arranged as SHAPE



Question:

What number is the best match 8:4 as 10:?

CHOOSE ONE:

A *20*

B *15*

C *5*

D *10*

Correct Answer

- 8:4 - 4 is half of 8
- 10:? - 5 is half of 10. Answer is 5, “C”

C *5*

Question:

Bob is 6 years old and his sister is a half of his age.
When Bob is 30, what will be the age of his sister.

CHOOSE ONE:

A *20*

B *15*

C *25*

D *27*

Correct Answer

- Sister is 3 when Bob is 6
- Bob becomes 30 after 24 years.
- Therefore his sister must be 3 + 24 = 27 years old. Answer is D.

D *27*

Question:

Calculate: -100 + 45

CHOOSE ONE:

A *-145*

B *145*

C *-55*

D *55*

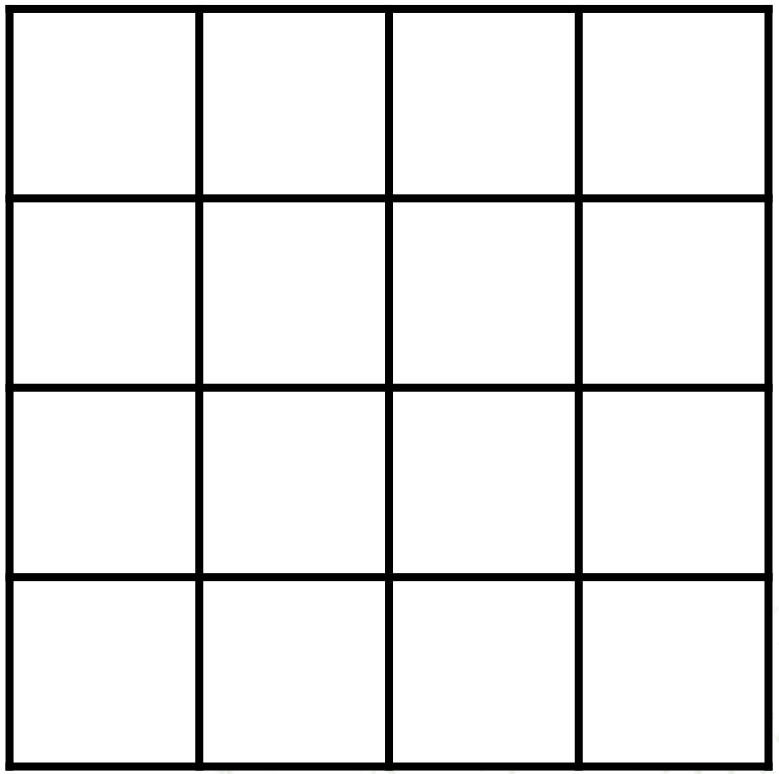
Correct Answer

- -100 + 45 is equal 45 -100
- Answer is -55, C

C *-55*

Question:

How many squares are in this picture?



CHOOSE ONE:

A *16*

B *29*

C *30*

D *32*

Correct Answer

- There are 16 small squares, 9 squares which could be created using 4 small squares, 4 squares which can be created using 9 small squares and 1 big square.
- Number of squares = 16 + 9 + 4 + 1 = 30

C *30*

Question:

Which one of the four animals least like the other three?

CHOOSE ONE:

A *Tiger*

B *Cow*

C *Rabbit*

D *Deer*

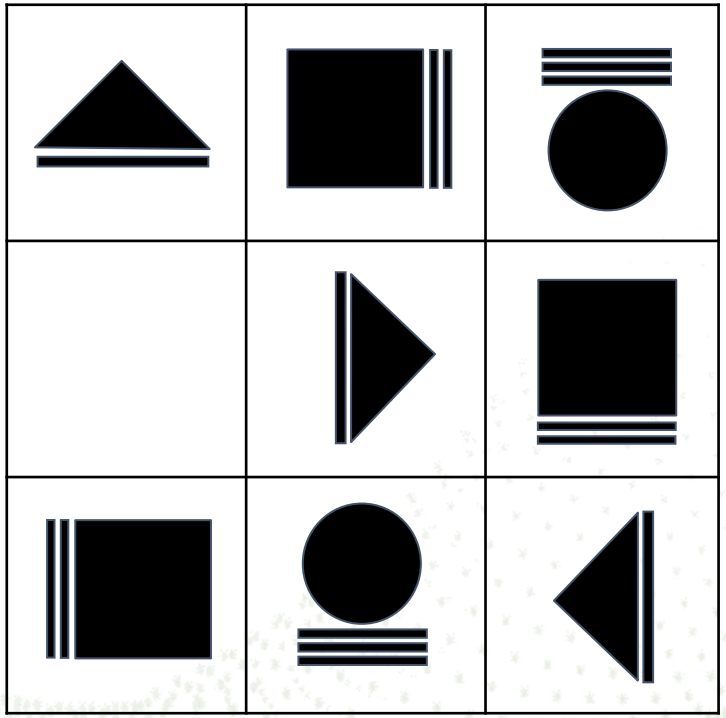
Correct Answer

- All of these animals are mammals
- All the three animal Cow, Rabbit and Deer are herbivores but Tiger
- Tiger is also a predator, unlike the others. Answer is Tiger, A

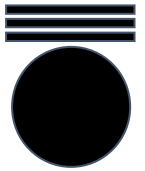
A *Tiger*

Question:

Find the correct shape to continue the series



CHOOSE ONE:

A 

B 

C 

D 

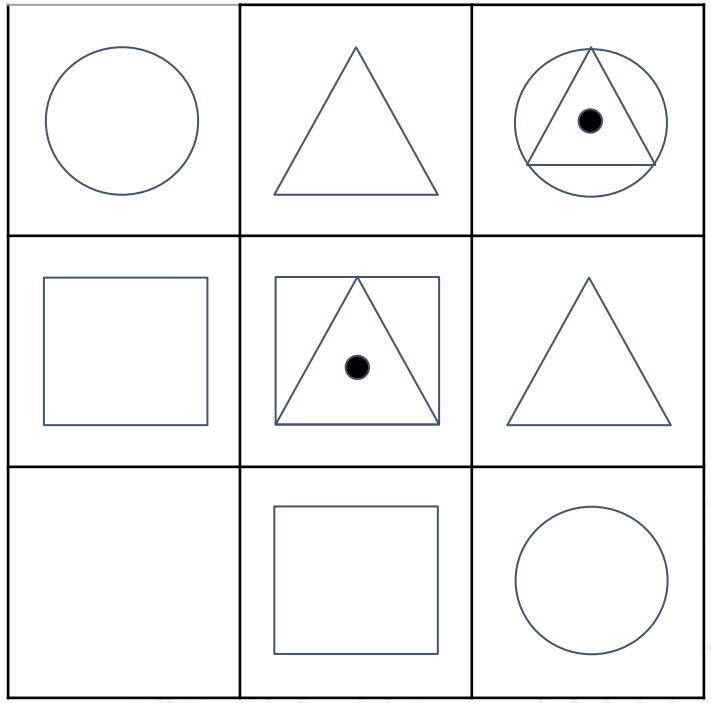
Correct Answer

- There are 2 patters you need to detect in this assignment: pattern for shapes and pattern for the line locations.
- Shapes are displayed in particular order (triangle, square, circle)
- Pattern for lines circulate as they follow counterclockwise pattern
- Correct Answer is A

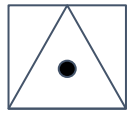


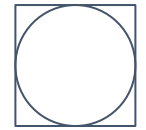
Question:

Find the correct shape to continue the series

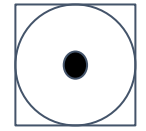


CHOOSE ONE:

A 

B 

C 

D 

Correct Answer

- There are three figures in a row and one figure is generated combining two figures and a dot
- To maintain the pattern, missing figure must be combination of a circle, a square and a dot
- Answer is D



Question:

Find the missing number of the below series

1, 3, 6, 10, ?, 21, 28

CHOOSE ONE:

A *13*

B *16*

C *15*

D *14*

Correct Answer

- This is the triangular number series
- Missing number must be 15, answer is C

C *15*

Question:

What is the number that is one half of one quarter of one tenth of 800

CHOOSE ONE:

A *20*

B *12*

C *5*

D *10*

Correct Answer

- To get the answer, need to go reverse
- One tenth of 800 is 80, one quarter of 80 is 20, one half of 20 is 10
- Answer id D, 10

D *10*

Question:

I am a male. If John's son is my son's father, what is the relationship between John and me

CHOOSE ONE:

A *He is my uncle*

B *He is my son*

C *He is my father*

D *He is my brother*

Correct Answer

- John’s son is my son’s father
- My son’s father is me, therefore John’s son must be I am
- Answer is C, John is my father

C *He is my father*

Question:

If you rearrange the letters “CIFAIPC” you would have the name of a(n):

CHOOSE ONE:

A *Country*

B *City*

C *Ocean*

D *River*

Correct Answer

- “CIFAICP” can be rearranged as PACIFIC
- Pacific is an Ocean
- Answer is C, An ocean

C *Ocean*

Question:

Find the next number of the below sequence

30, 29, 27, 24, 20, 15, ?

CHOOSE ONE:

A *10*

B *9*

C *11*

D *8*

Correct Answer

- Next number of the sequence is less than current number
- 29 is one less than 30, 27 is two less than 29, 24 is three less than 27
- Final number must be six less than 15, 15-6 = 9. Answer is B

B *9*

Question:

The day after the day after tomorrow is four days before Monday. What day is it today?

CHOOSE ONE:

A *Sunday*

B *Monday*

C *Friday*

D *Saturday*

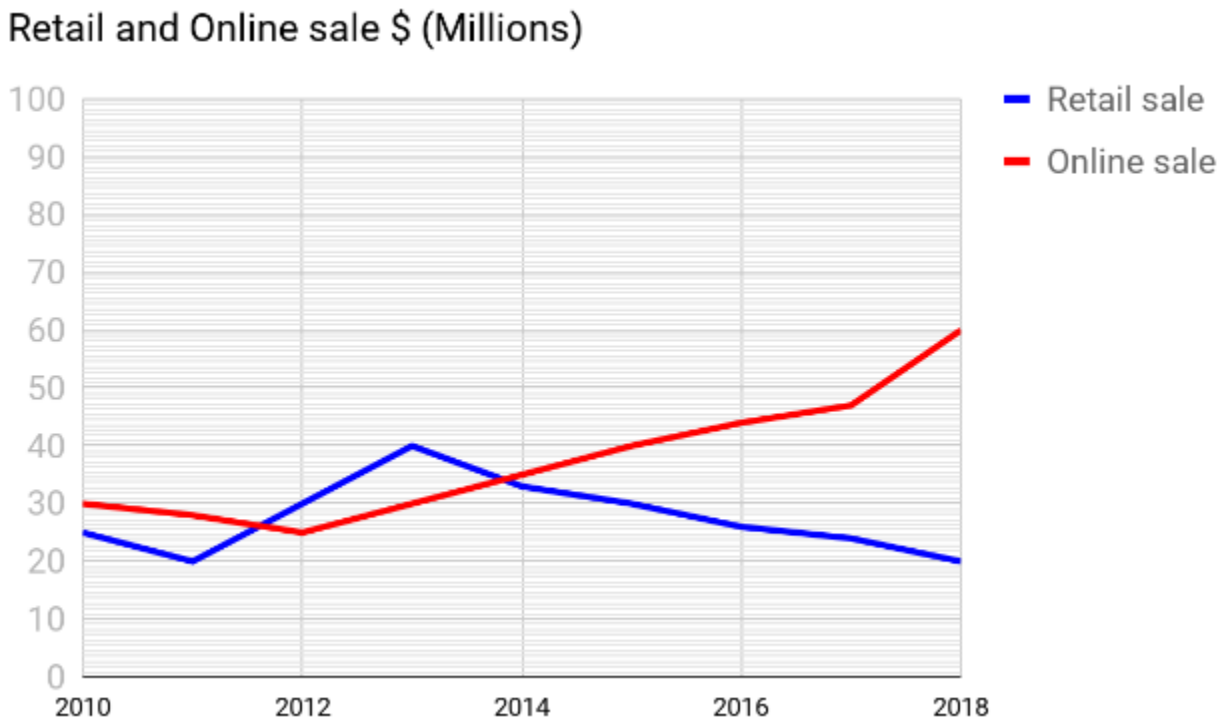
Correct Answer

- To get the answer, have to follow reverse method.
- Four days before Monday is Thursday, Day before day before Thursday is Tuesday. If tomorrow is tuesday today is Monday.
- Answer is B

B *Monday*

Question:

Below chart represent the sales of a company called Alario. Find the growth of online sales compared to retail sales in year 2018.



CHOOSE ONE:

A *150%*

B *200%*

C *300%*

D *100%*

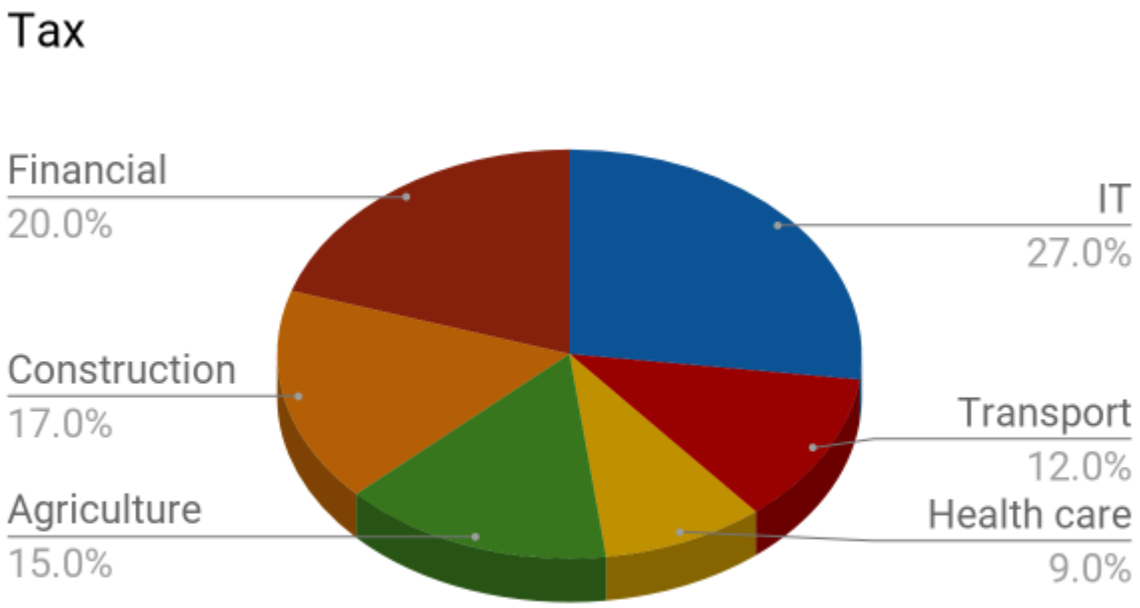
Correct Answer

- Retail sale in 2018 = $20M and Online sale in 2018 = $60M
- Growth of online sales in 2018 compared to retail sales = {(60 - 20)/20} * 100% = 200%
- Answer is B, 200%

B *200%*

Question:

Below chart shows the percentage of the tax collection for business sectors in Nevada. What is the ratio of the tax collected from IT sector to the Agriculture sector?



CHOOSE ONE:

A *9:5*

B *3:2*

C *7:4*

D *5:3*

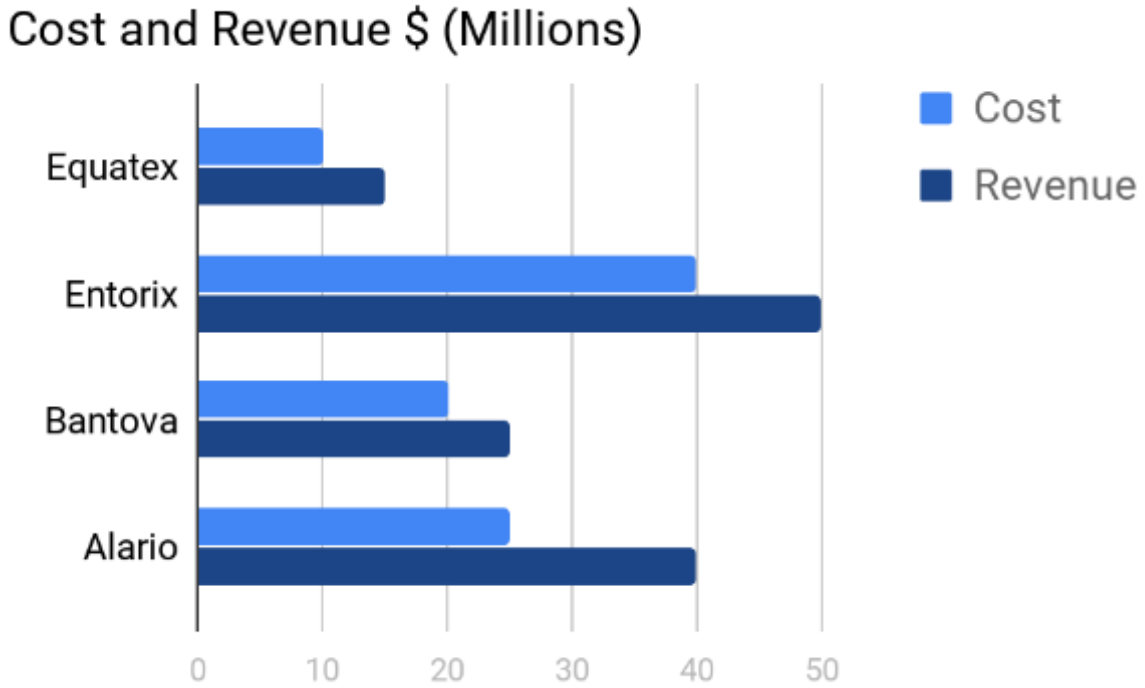
Correct Answer

- Percentage of the tax from IT sector is 27% and Agriculture sector is 15%
- Ratio between IT and Agriculture = 27 : 15 = 27/3 : 15:3 = 9:5
- Answer is A, 9:5

A *9:5*

Question:

Which companies have more than 30% of profit with compared to the cost?



CHOOSE ONE:

A *Equatex and Entorix*

B *Entorix and Bantova*

C *Bantova and Alario*

D *Alario and Equatex*

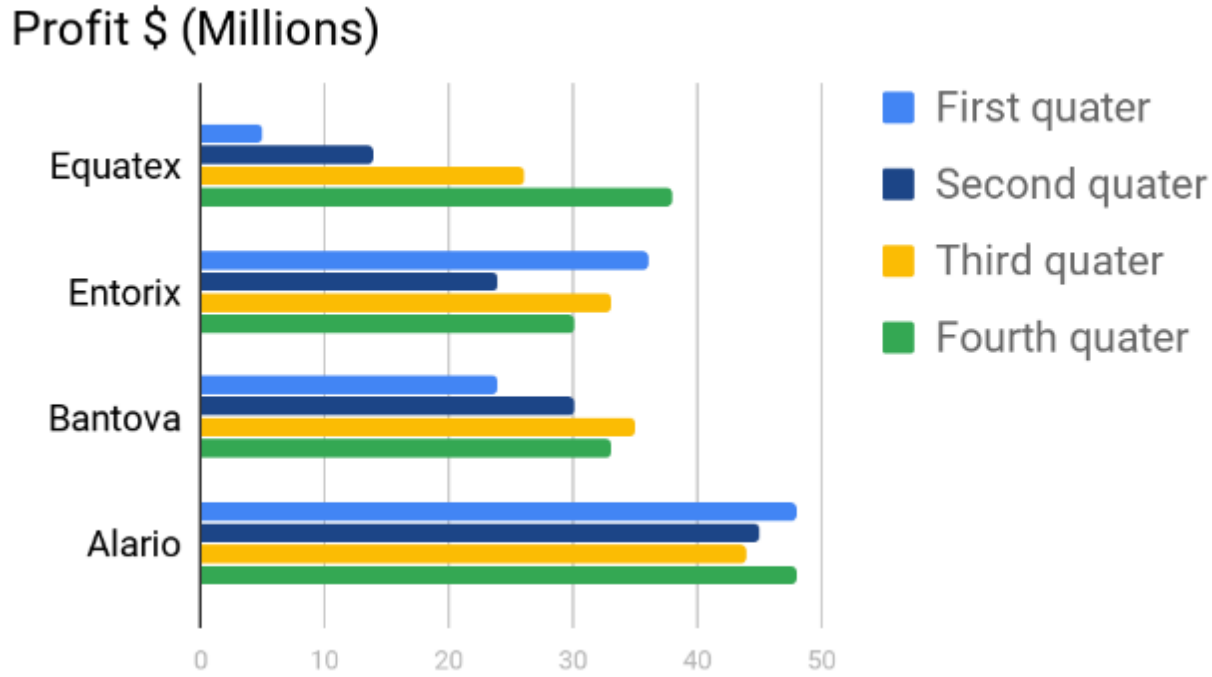
Correct Answer

- We'll calculate (profit/cost)% for all the 4 companies. Profit = Revenue - Cost
- Equatex: {(15-10)/10} * 100% = 50%
  Entorix: { (50-40)/40} * 100% = 20%
  Bantova: {(25-20)/20} * 100% = 25%
  Alario: {(40-25)/25} * 100% = 60%
- Answer is Equatex and Alario, D

D *Alario and Equatex*

Question:

Which Company is better to invest (in long turm) based on consistency of their profits?



CHOOSE ONE:

A *Equatex*

B *Entorix*

C *Bantova*

D *Alario*

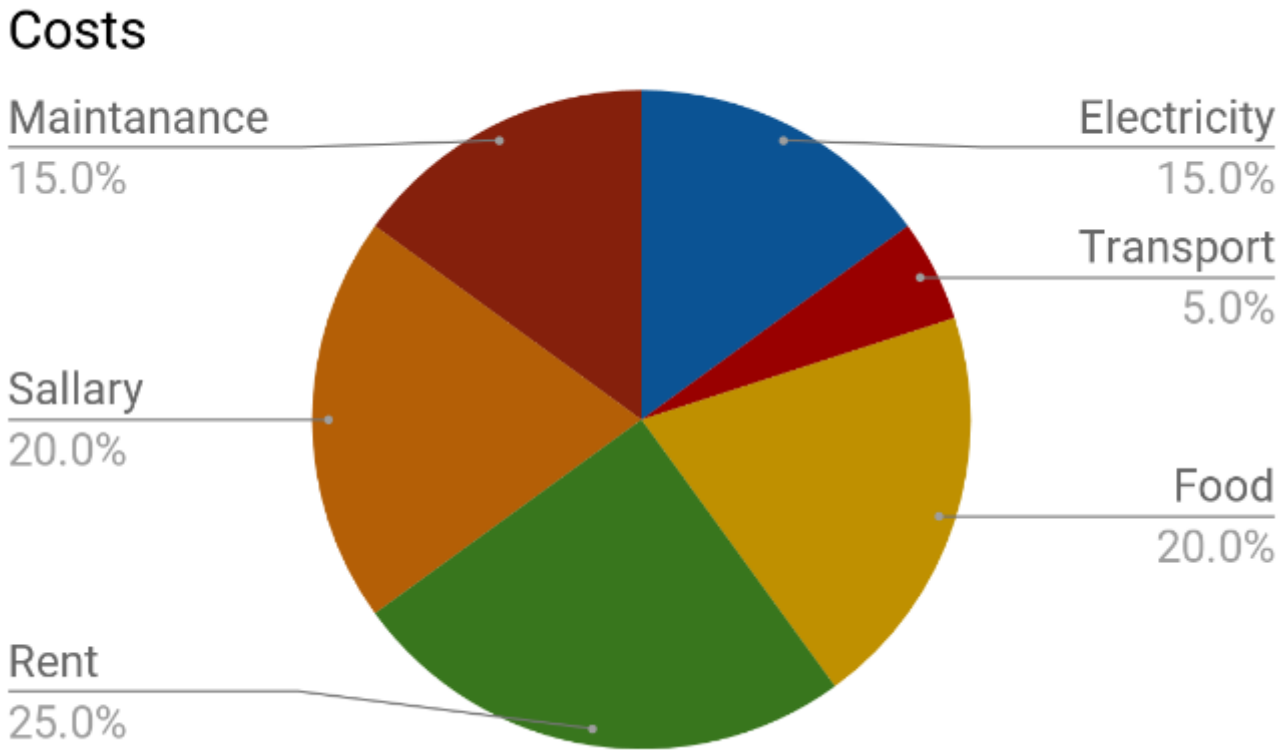
Correct Answer

- Based on the data presented Entorix, Bantova and Alario have good stable profits. Therefore investing on those companies will be a good decision.
- But Equatex is always increasing it's profit from first quarter to the end. Therefore Equatex has good possibility to increase the profit in long term Investing.
- Correct Answer is A, Equatex

A *Equatex*

Question:

Below chart explains the expenses for a small business run in a town area. How much more money the business spend on rent compared to food if total expense is $4000?



CHOOSE ONE:

A *$250*

B *$100*

C *$200*

D *$175*

Correct Answer

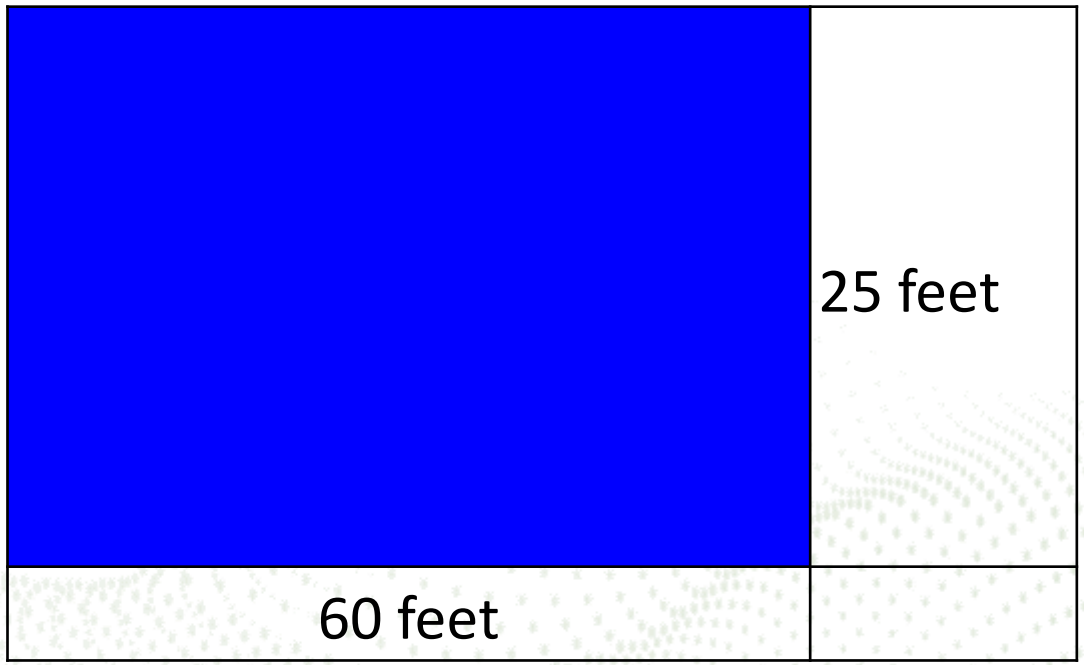
- Expense different between Rent and Food = 25% - 20% = 5%
- Amount of the difference = (5 / 100) * $4000 = $200
- Answer is C, $200

D

56

Question:

Bob is looking for an appropriate office space for his new office. He found a good place near the town and decides to buy half of it's space. How much will he pay for the rent if the cost of 1 square feet is $20?



CHOOSE ONE:

A *$1500*

B *$750*

C *$1000*

D *$500*

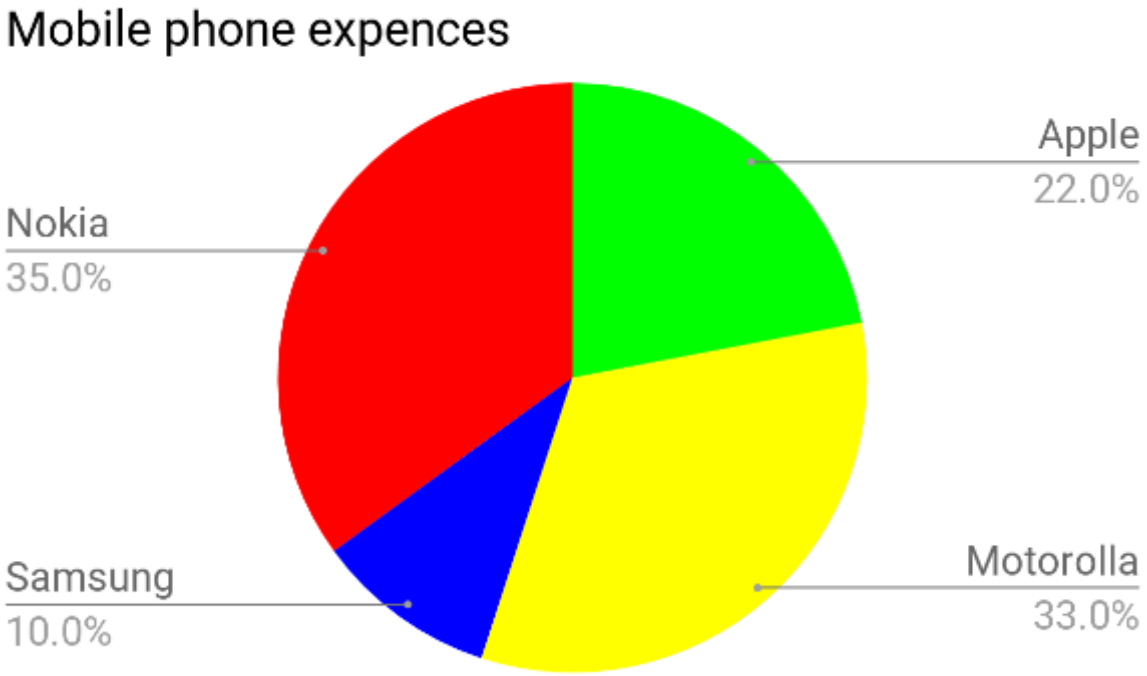
Correct Answer

- Half of the space is equal to (25 * 60) / 2 = 750
- Rent for 750 squarefeet = 750 * $20 = $1500
- Answer is A, $1500

A *$1500*

Question:

Below chart shows how much Alario spent on employees mobile phones. Find out how much the company spent on Apple phones compared to Samsung if the total expense is $200,000?



CHOOSE ONE:

A *$18000*

B *$20000*

C *$24000*

D *$30000*

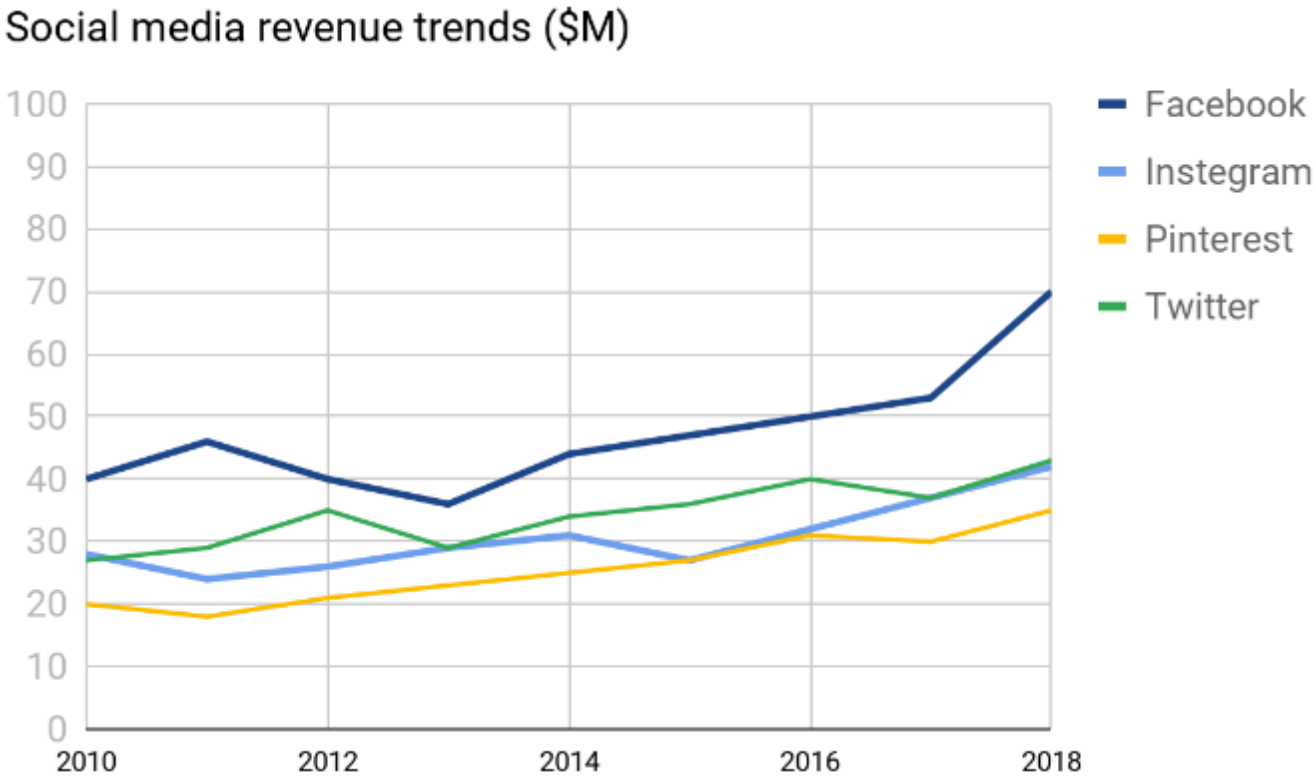
Correct Answer

- Cost of Apple phones = (22 / 100) * $200000 = $44000
  Cost for Samsung phones = (10 / 100) * $200000 = $20000
- Cost difference = $44000 - $20000 = $24000.
- Answer is C, $24000

C *$24000*

Question:

What is the percentage of revenue increment for Facebook in 2018, compared to 2012



CHOOSE ONE:

A *50%*

B *75%*

C *80%*

D *85%*

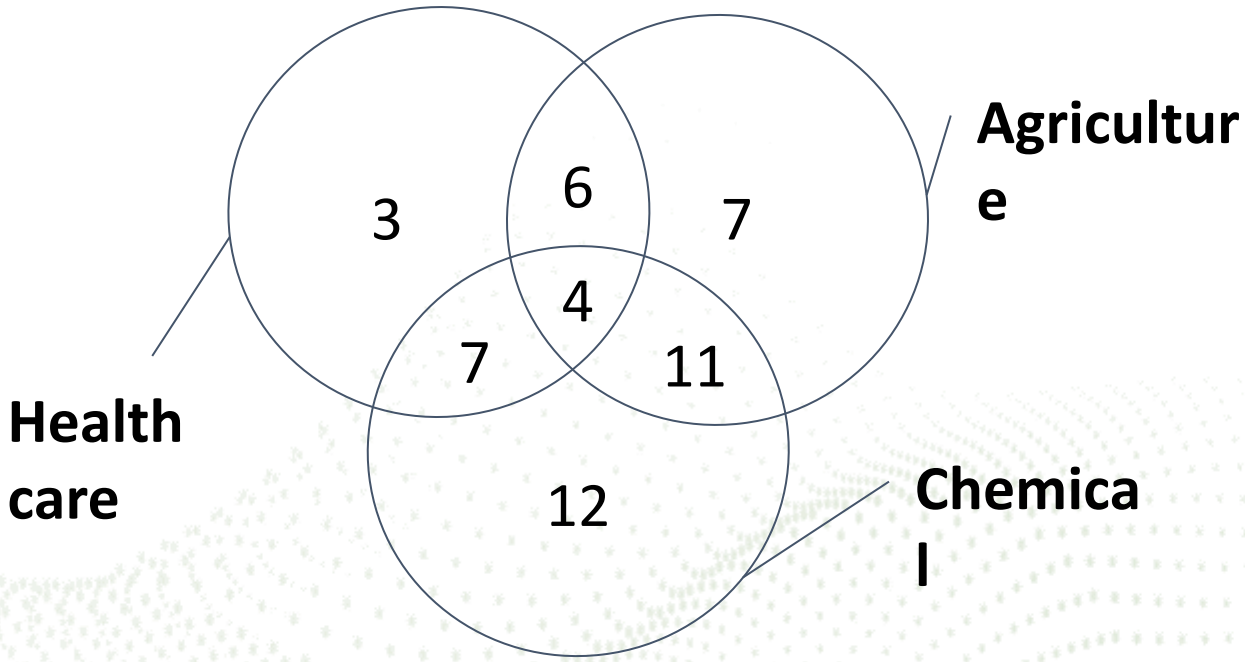
Correct Answer

- Revenue for Facebook in 2018 is $70M and in 2012 it is $40M.
- Increment = 70M - 40M = 30M.
  Percentage of the increment compared to 2012 = (30/40) * 100% = 75%
- Answer is B, 75%

B *75%*

Question:

Below chart contains the details of the number of the companies provide their services to which sector. What is the percentage of the companies, which provide their service to both Agriculture and Chemical sectors?



CHOOSE ONE:

A *40%*

B *22%*

C *30%*

D *25%*

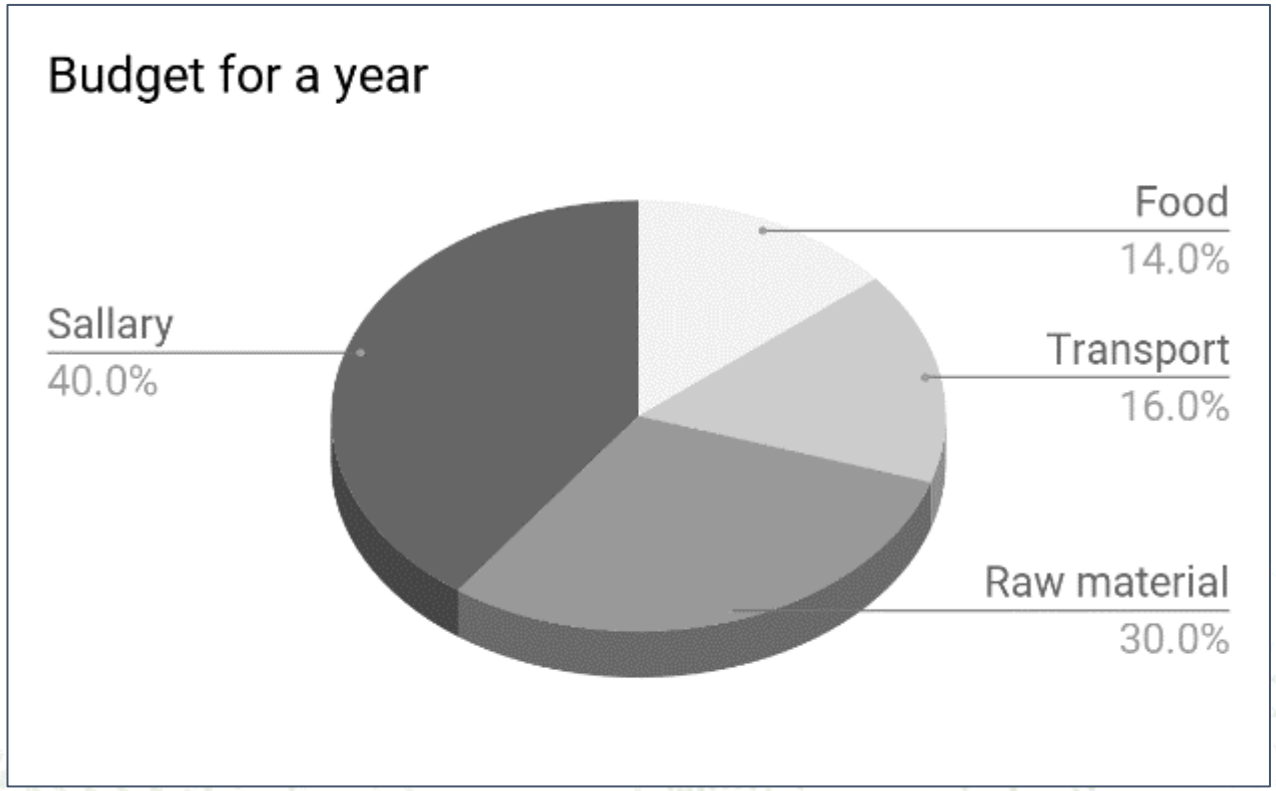
Correct Answer

- There are total number of 50 companies in the chart. 11 + 4 = 15 companies provide their service to the both Agriculture and Chemical sectors.
- Therefore the percentage = (15 / 50) * 100% = 30%
- Answer is C, 30%

C *30%*

Question:

How much is spent on Transportation if the total budget is $70,000.00?



CHOOSE ONE:

A *$10000.00*

B *$11200.00*

C *$11500.00*

D *$13500.00*

Correct Answer

- Percentage for the transportation = 16%
- 16% of 70000 = (16/100)*70000 = $11200.00
- Answer is B

B *$11,200.00*

Question:

What is the profit in USD at end of the week 4, if a buyer buys 100GBP in week 1 and converts back to USD in Week 4?

Week	GBP/USD exchange rate
Week 4	1.3132
Week 3	1.3137
Week 2	1.316
Week 1	1.298

CHOOSE ONE:

A *$ -1.42*

B *$ 1.75*

C *$ 1.52*

D *$ 2.31*

Correct Answer

- In Week 1, buyer needs (1.298 * 100) = 129.8 USD to buy 100 GBP. Value of the 100 GBP in Week 4 = (1.3132 * 100) = 131.32 USD.
- Buyers profit of buying 100 GBP = $131.32 - $129.8 = 1.52 USD.
- Answer is C

C *$1.52*

Question:

Insurance company offers money, if the vehicle is stolen. But the percentage of reimbursement is different, based on the table. How much will customer get for the vehicle with fair market value of $2000 in Year 1, but was stolen in third year after insuring.

Duration	Percentage deduction
First year	0%
After 1 year	10%
After 2 years	25%
After 3 years	40%

CHOOSE ONE:

A *$ 500*

B *$ 1000*

C *$ 1500*

D *$ 2000*

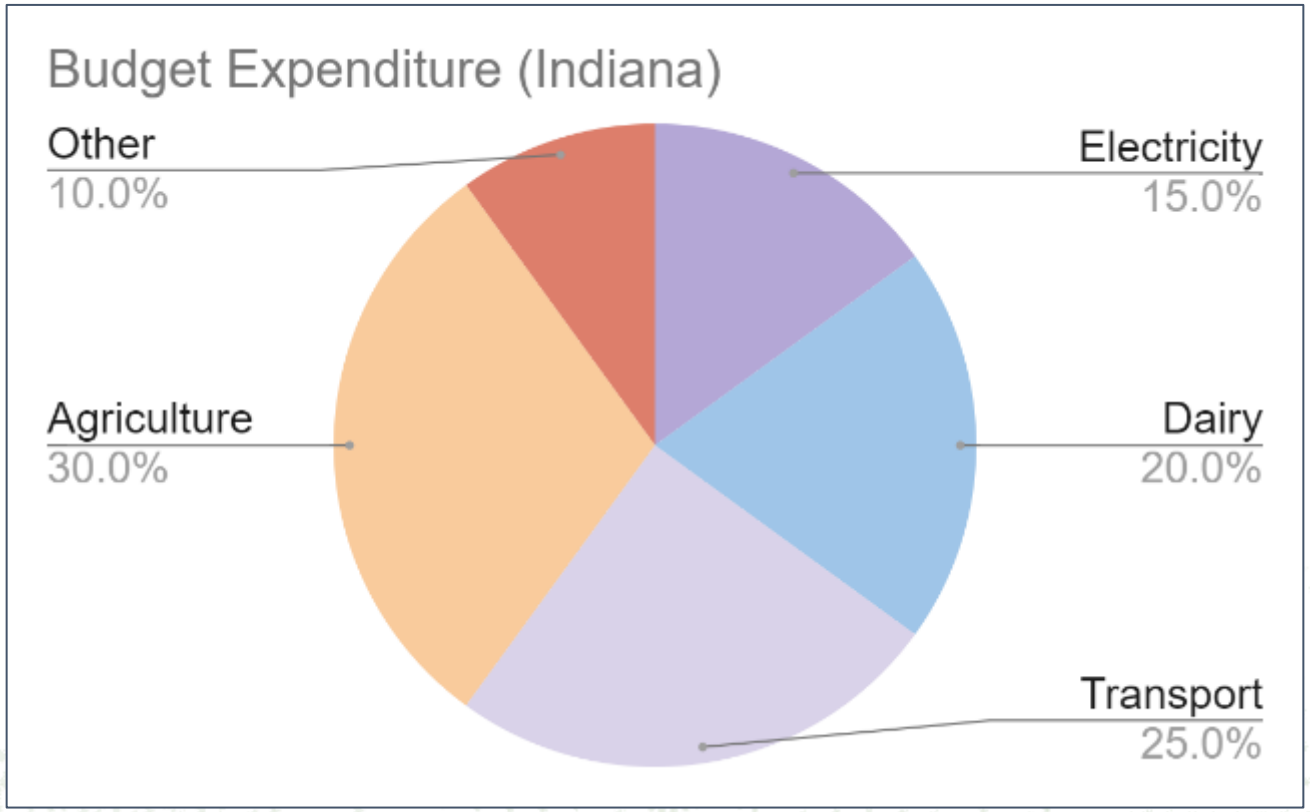
Correct Answer

- Vehicle is stolen in third year (After 2 years)
- Insurance company will deduct 25% of its initial value. 25% of initial value = (25 * 2000) / 100 = 500
- Company will deduct $500 and offer $1500. Answer is C, $1500.

C *$1500*

Question:

If total budget for state of Indiana in $31.4 billion, how much is planned to be spent on Agriculture?



CHOOSE ONE:

A *$12.24 billion*

B *$7.3 billion*

C *$6.32 billion*

D *$9.42 billion*

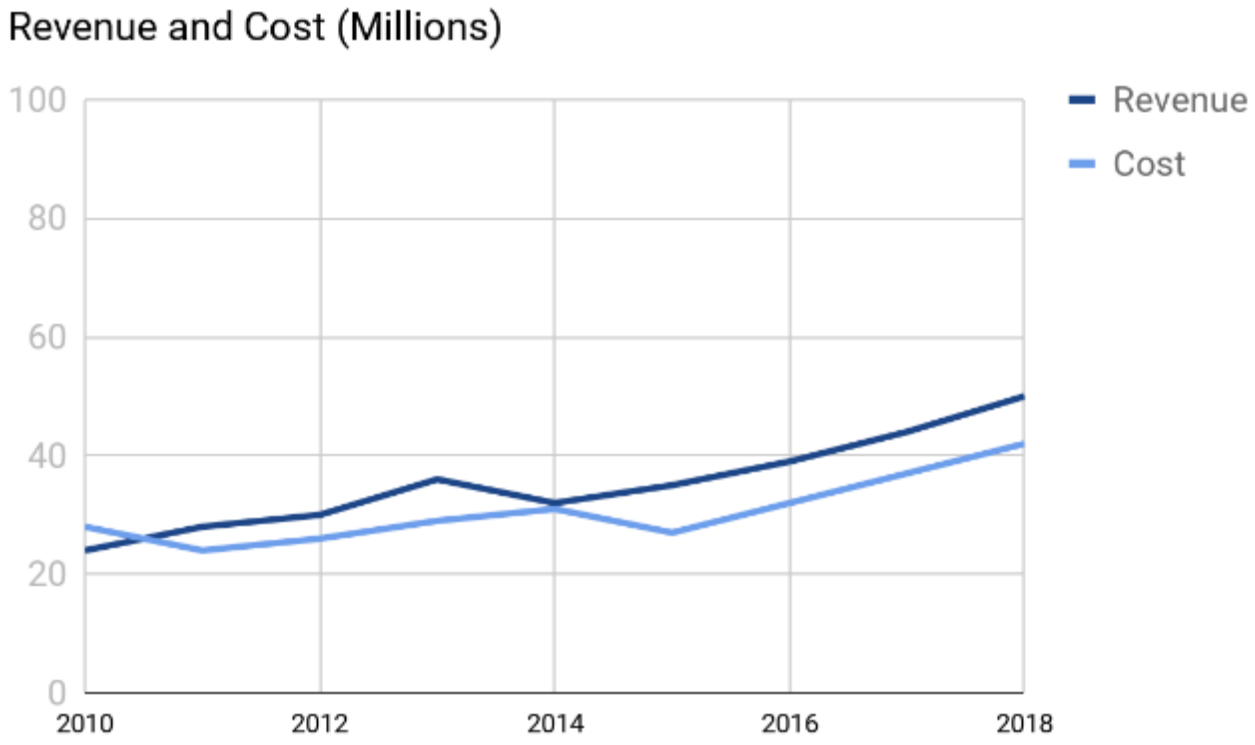
Correct Answer

- Agriculture expenditure is 30% of the budget
- To calculate total value of Agriculture expenditures you need to multiply:
  31.4 * 0.3 = 9.42
- Answer is D, *$9.42 billion*

D *$9.42 billion*

Question:

During which period did the revenue of the company declined?



CHOOSE ONE:

A *2010-2012*

B *2011-2012*

C *2013-2014*

D *2016-2018*

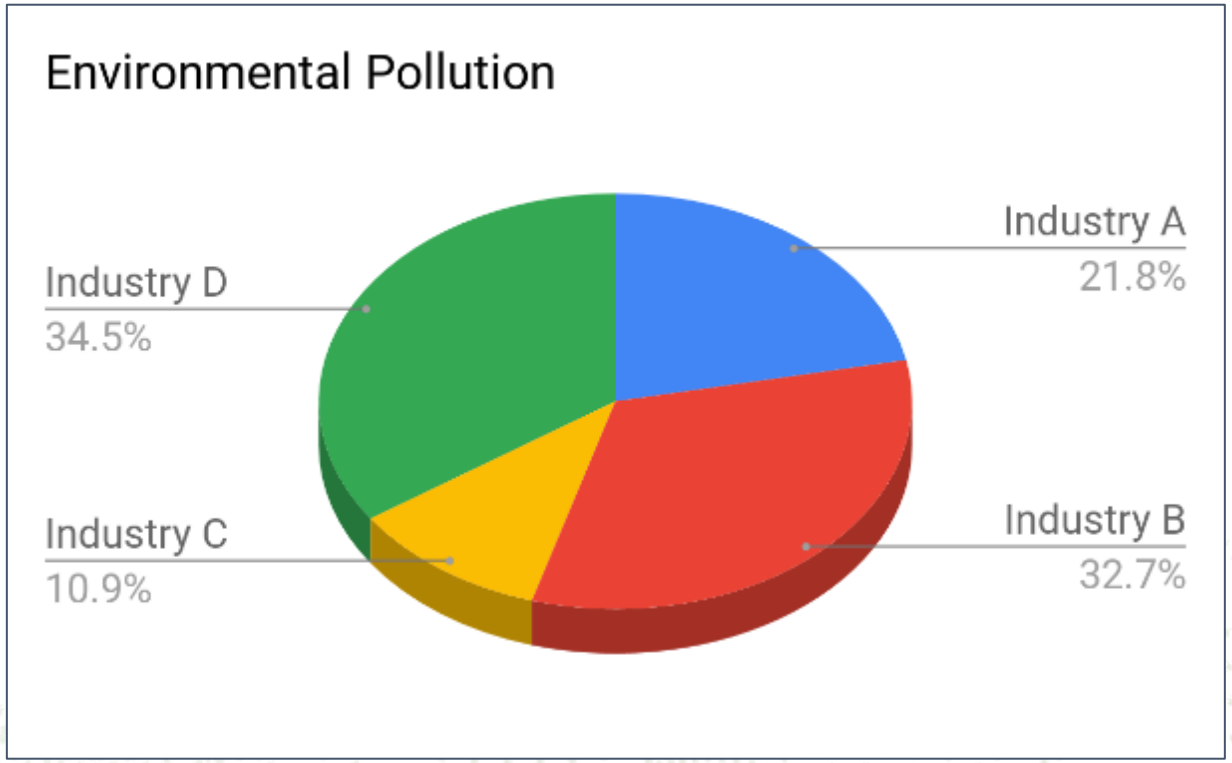
Correct Answer

- This company is making profit as per the graph
- During 2013-2014 it has a decreasing of revenue and increasing cost
- Answer is C

C *2013-2014*

Question:

How much bigger the Environmental pollution of Industry D compared to Industry A?



CHOOSE ONE:

A *48.3%*

B *55.3%*

C *58.2%*

D *60.8%*

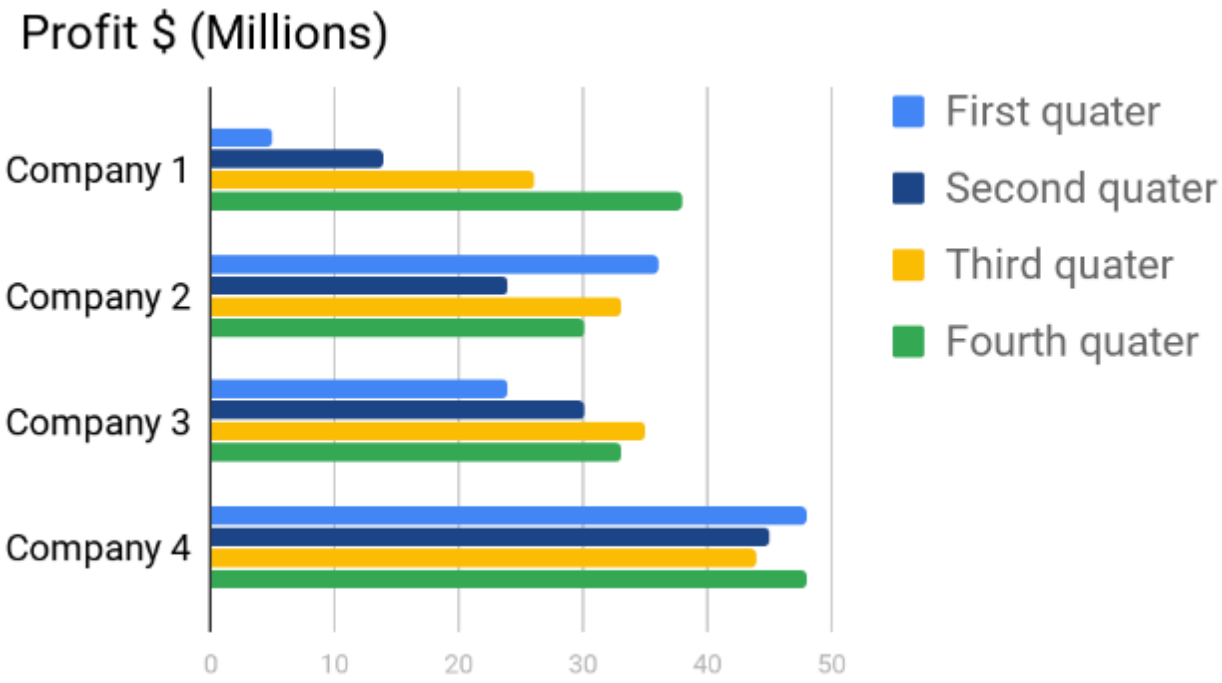
Correct Answer

- Environmental pollution of Industry D = 34.5% and Industry A = 21.8%
- D's pollution compared to A's = 34.5-21.8 = 12.7
  Percentage value = (12.7 / 21.8) * 100% = 58.2%
- Answer is C, 58.2%

C *58.2%*

Question:

Which Company is better for invest



CHOOSE ONE:

A *Company 1*

B *Company 2*

C *Company 3*

D *Company 4*

Correct Answer

- It seems company 2, 3 and 4 have good stable profit margin. Therefore investing on those companies will be a good decision.
- But Company 1 is always increasing it's profit from first quarter to the end. Therefore Company 1 has good possibility to increase the profit in long term. Investing.
- Answer is A, Company 1

A *Company 1*

Question:

If 1 Euro is worth $1.18 USDs, what is the exchange rate of converting USDs to Euros?

CHOOSE ONE:

A *0.833*

B *0.796*

C *0.782*

D *0.847*

Correct Answer

- Exchange rate of converting Euros to USD = (Euro/USD) = 1.18
- Exchange rate of converting USDs to Euros must be (1 / 1.18) = 0.847
- Answer is D

D *0.847*

Question:

The exchange rate for converting USDs to Chinese Yuan is 6.27. How much is 1000 Chinese yuan are worth in USD?

CHOOSE ONE:

A *$ 6270*

B *$ 627*

C *$ 1594*

D *$ 159.4*

Correct Answer

- Exchange rate of converting Chinese yuan to USD = 1 / 6.27 = 0.1594
- Value of 1000 Chinese yuan in USD = 0.1594 * 1000 = $159.4
- Answer is D

D *$ 159.4*

Question:

If you take away a whole dollar from $159.24, how many cents are left?

CHOOSE ONE:

A *158.24*

B *15824*

C *59.24*

D *158*

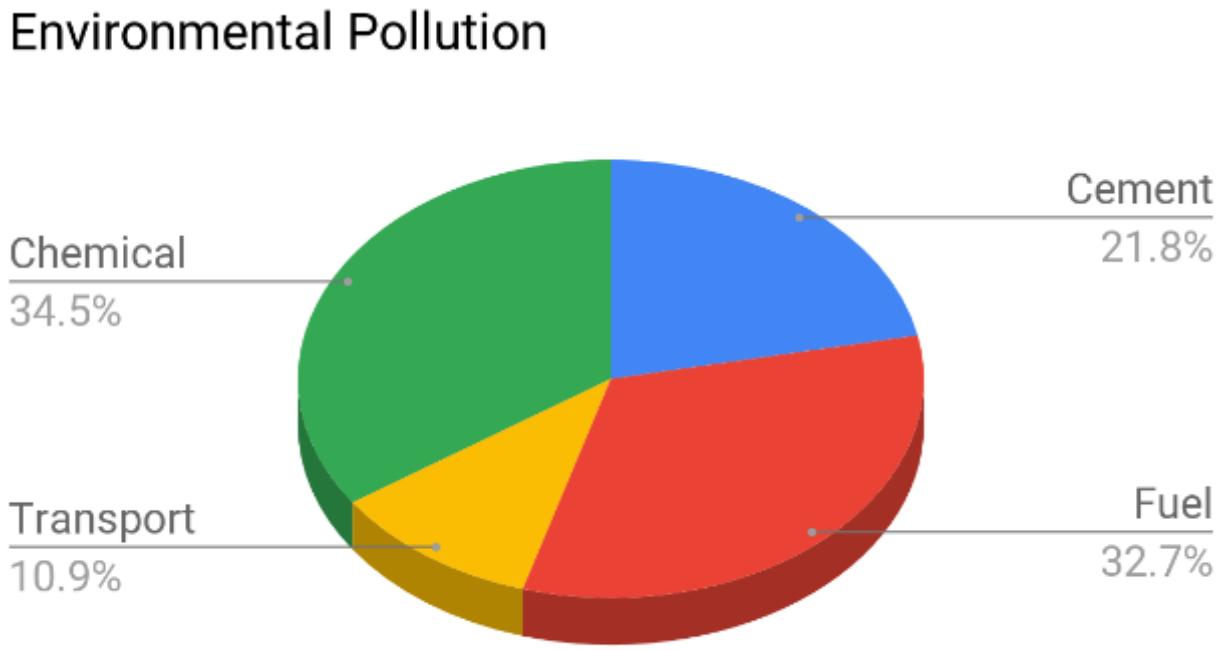
Correct Answer

- 1 dollar = 100 cents
- 159.24 = 15924 cents. After taking $1 dollar out of it 15924 - 100 = 15824 cents are left.
- Answer is B

B *15824*

Question:

How much bigger the Environmental pollution of Chemical industry compared to Cement industry?



CHOOSE ONE:

A *48.3%*

B *55.3%*

C *58.2%*

D *60.8%*

Correct Answer

- Environmental pollution of Chemical Industry is 34.5% and Cement Industry is 21.8%
- Chemical Industry pollution compared to Cement Industry = 34.5-21.8 = 12.7
  Percentage value = (12.7 / 21.8) * 100% = 58.2%
- Correct Answer is C, 58.2%

C *58.2%*

Question:

Which of these amounts is the largest?

CHOOSE ONE:

A *1247 cents*

B *$ 12*

C *$ 13*

D *1250 cents*

Correct Answer

- $ 1 = 100 cents
- $12 = 1200 cents and $13 = 1300 cents
- Answer is C, $ 13

C *$ 13*

Question:

What is the ratio between Alice's and Bob's profit for the month February?

Month	Alice's profit ($)	Bob's profit ($)
January	44	36
February	32	48
March	38	37
April	50	52

CHOOSE ONE:

A *2:3*

B *2:5*

C *3:4*

D *1:3*

Correct Answer

- Alice's and Bob's profit for month February are $32.00 and $48.00
- Alice's profit / Bob's profit =
  32 : 48 =
  32/16 : 48/16 = 2 : 3
- Answer is A

A *2:3*

Question:

John and Bob has total of $5000 worth shares in ABC company. If ⅓ of John's share value is equal to ½ of Bob's share value, what is the value of Bob's shares?

CHOOSE ONE:

A *$3000*

B *$1500*

C *$1000*

D *$2000*

Correct Answer

- ⅓ of Joh's shares equal to ½ of Bob's shares
- (⅓) john = (½) Bob -> 2* John = 3*Bob -> John / Bob = 3/2 -> John : Bob = 3:2
- Bob's share = 5000 * (⅖) = 2000
  Answer is D

D *$2000*

Question:

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The ratio of the cost of raw material for companies A, B, C and D are shown in below. What is C's cost if A's cost is $1000 more than B's cost.

Company	A	B	C	D
Cost ratio	3	2	5	7

CHOOSE ONE:

A *$1000*

B *$2000*

C *$3500*

D *$5000*

Correct Answer

- Let the Costs of A, B, C and D be 3x, 2x, 5x, and 7x
- Then 3x - 2x = 1000, therefore x=1000.
  C's cost = 5x = 5*1000 = 5000
- Answer is D, $5000

D *$5000*

Question:

Find the next value using the pattern

36	49	64	81	?

CHOOSE ONE:

A *121*

B *100*

C *96*

D *144*

Correct Answer

- This is the square number series
- 64 is square of 8, 81 is square of 9, therefore next number should be square of 10. Square of 10 = 100
- Answer is B

B *100*

Bonus Questions. With Answers and Explanations

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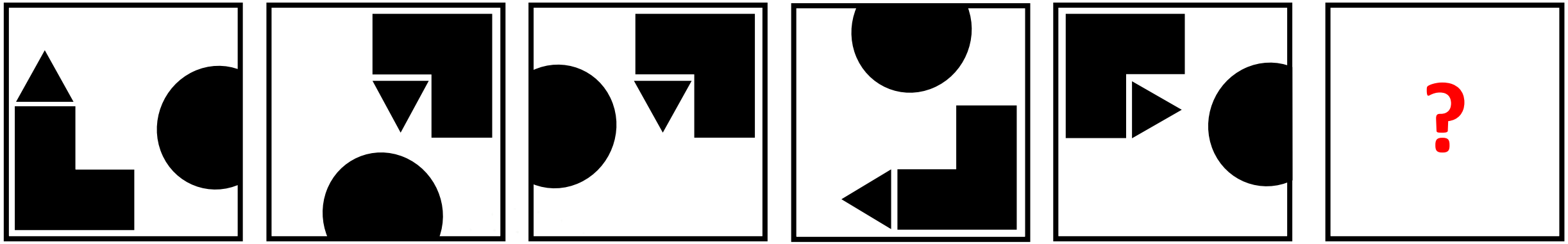
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Test Question

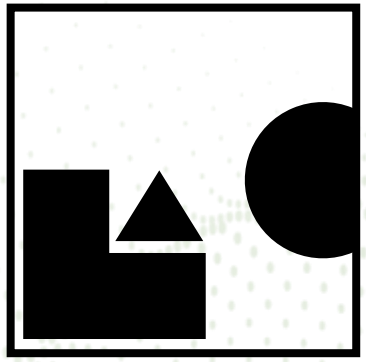
Which of the following squares comes next in the sequence?



A.



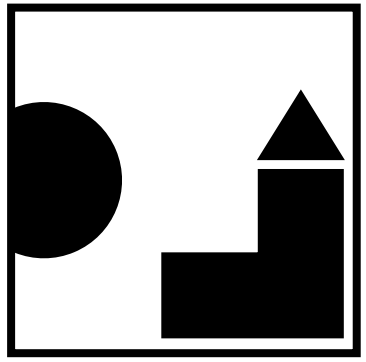
B.



C.



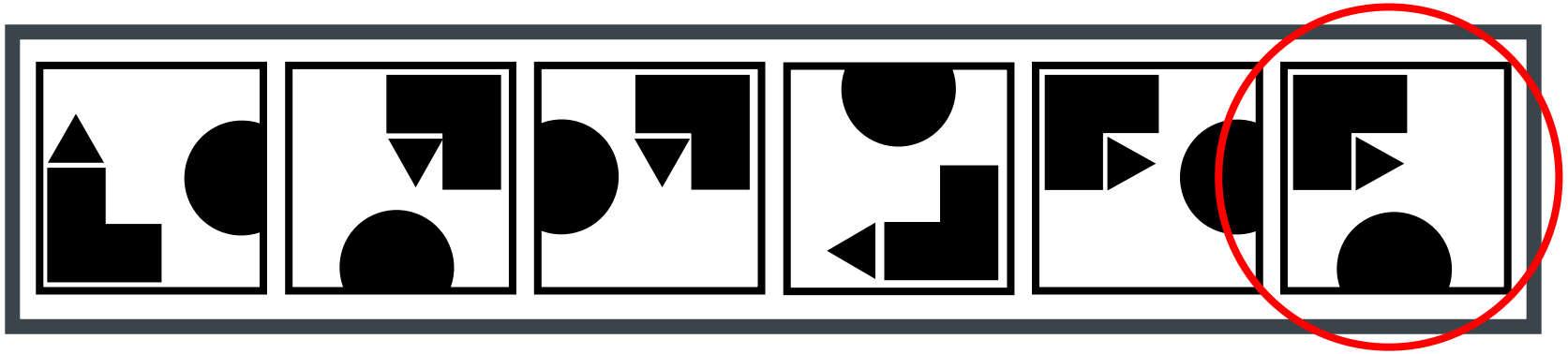
D.



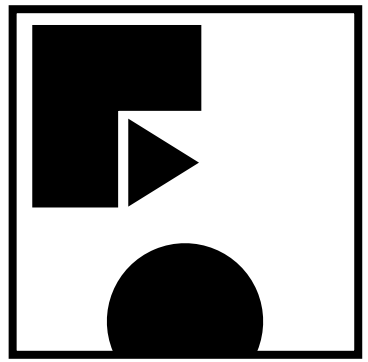
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Test Answer



- Multiple patterns are present in this question
- **Pattern [1]:** The half circle rotates clockwise around the square.
- **Pattern [2.1]:** The L shape is located at the opposite direction of where it was in the previous square.
- **Pattern [2.2]:** The L shape only changes its location after being in the same place twice, which is also being followed by the triangle.
- **Pattern [3]:** The Triangle follows a pattern of being inside and outside the L shape
- Therefore, the next in sequence should contain a half circle in the lower part of the square, an L shape with a triangle inside that is positioned similarly with the previous square.
- **The correct answer is (C)**

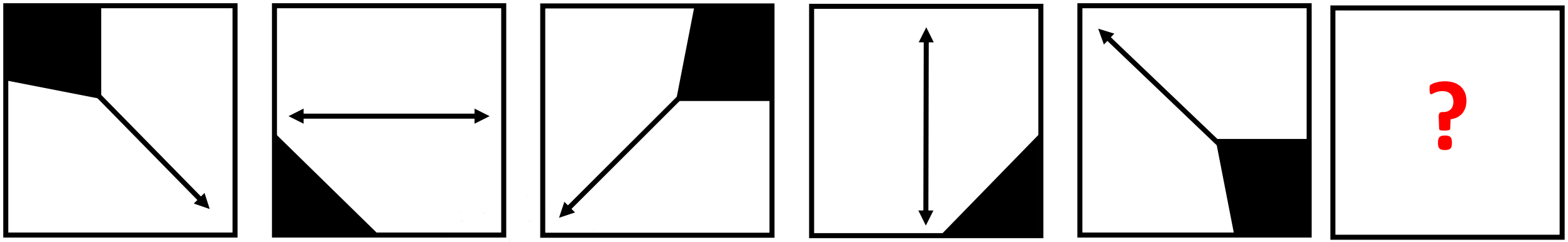


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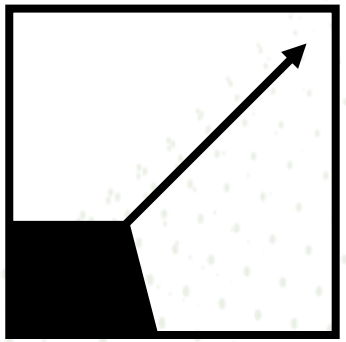
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Test Question

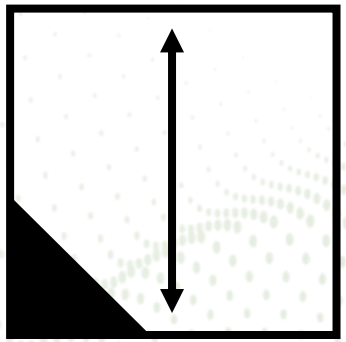
Which of the following squares comes next in the sequence?



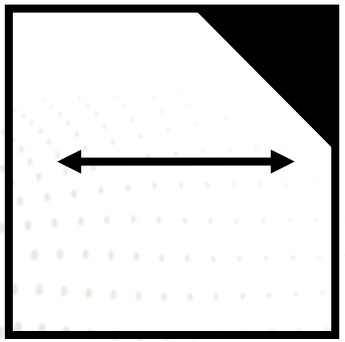
A.



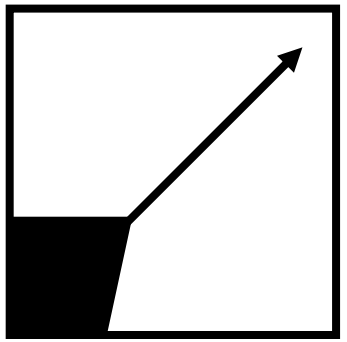
B.



C.



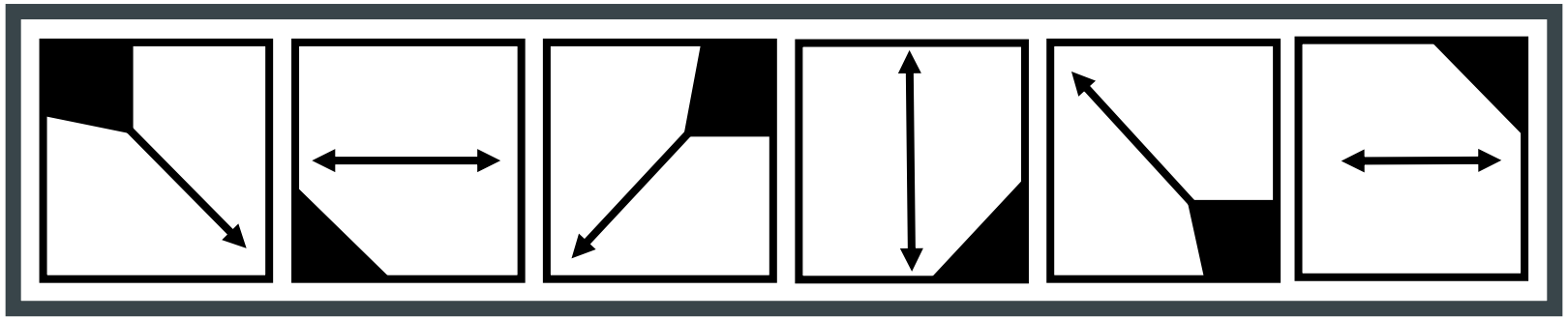
D.



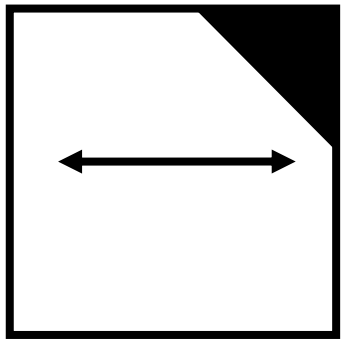
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Test Answer



- Look for multiple patterns
- **Pattern [1]:** Arrow, which points to the corner rotates clockwise (squares 1, 3 and 5)
- **Pattern [2]:** Double sided arrow rotates 90 degrees and corner triangle rotates counter clockwise (squares 2,4 and 6)
- Therefore, the next in sequence should contain a two-sided arrowhead with a triangle positioned in the upper right of the square, following the rotation.
- **The correct answer is (C)**

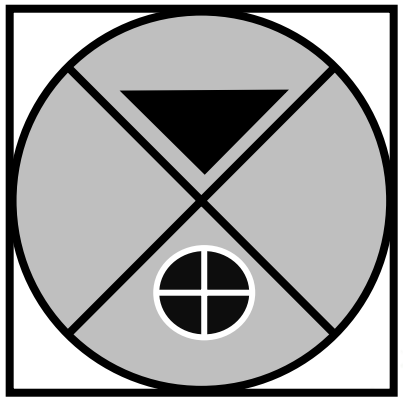


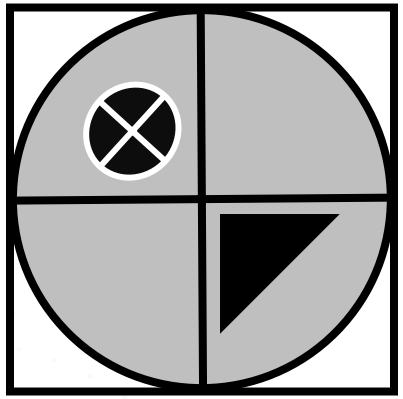
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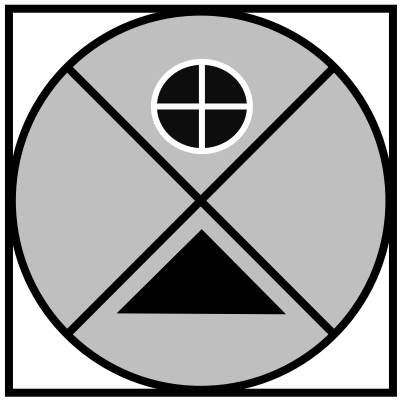
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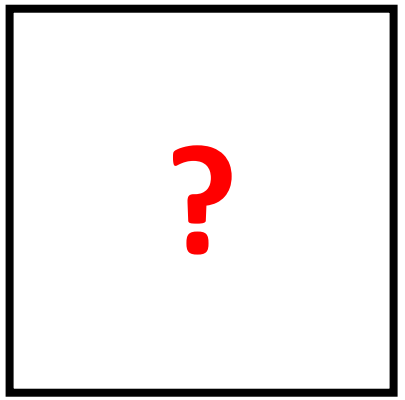
Test Question

Which of the following squares comes next in the sequence?

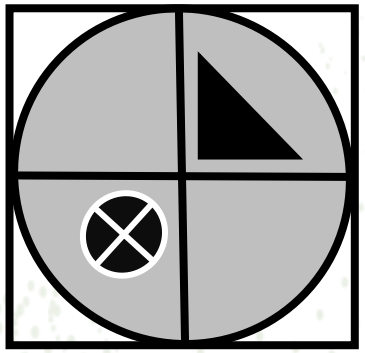




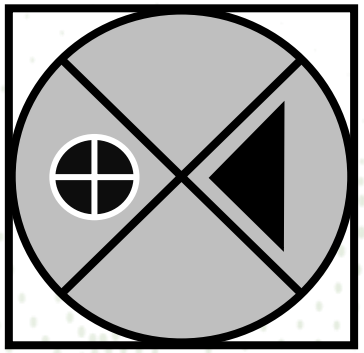




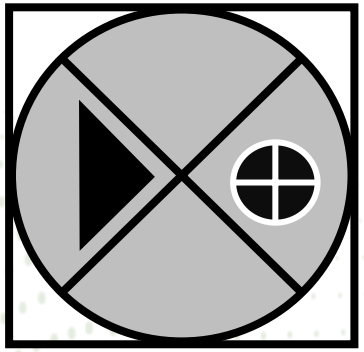
A.



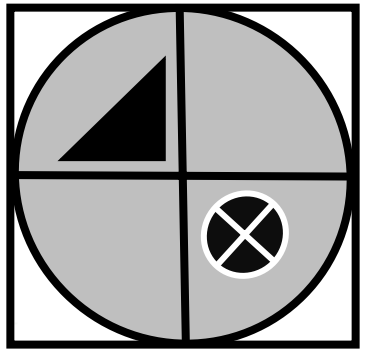
B.



C.



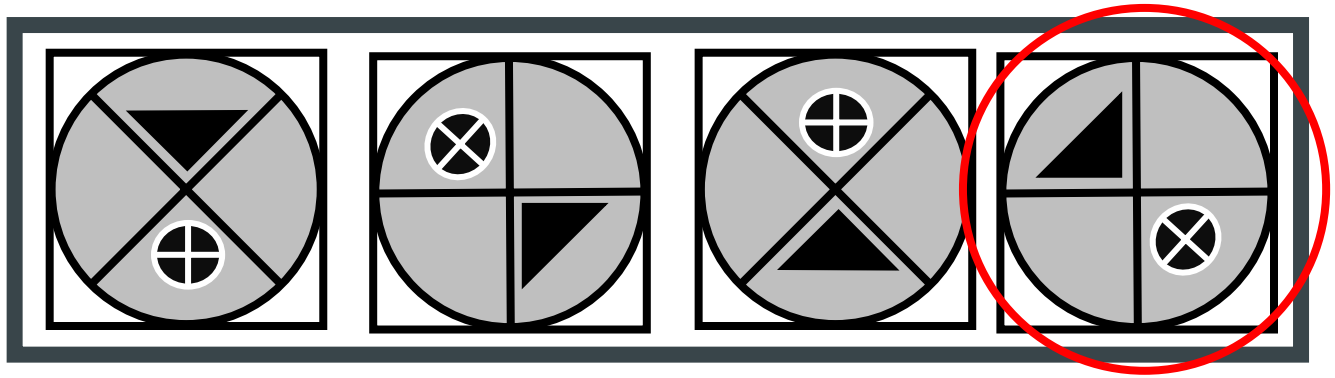
D.



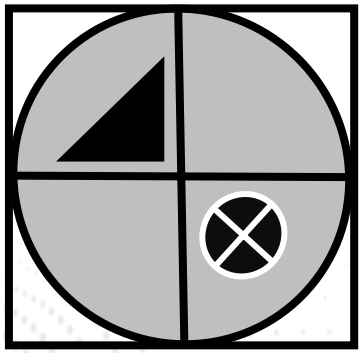
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Test Answer



- Always look for patters
- **Pattern of hourly increments:** Follow where the triangle is pointing to determine next position:
  - Square 1 – 6 o'clock
  - Square 2 – 11 o'clock (5 hour increment)
  - Square 3 – 12 o'clock (1 hour increment)
  - Square 4 – 5 o'clock (5 hour increment)
- **The correct answer is (D)**



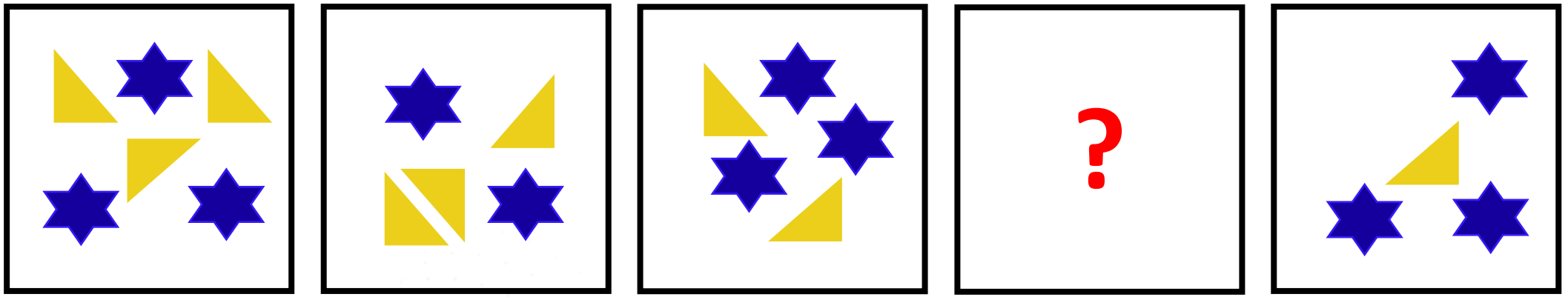


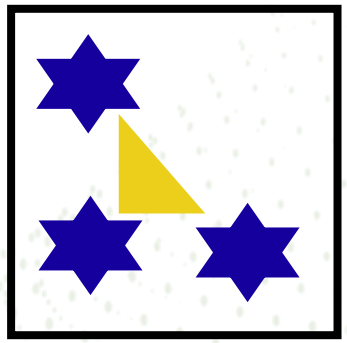
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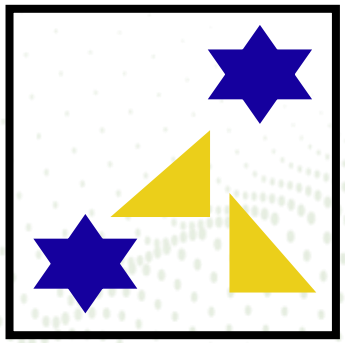
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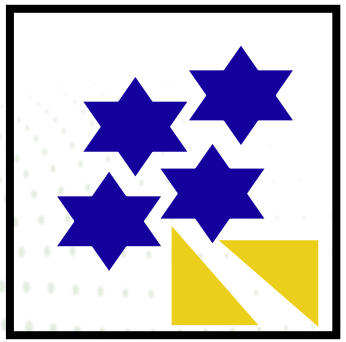
Test Question

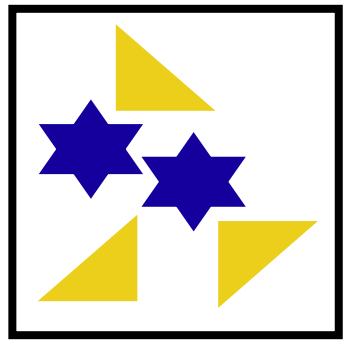
Determine which object is missing in the sequence?



A. 

B. 

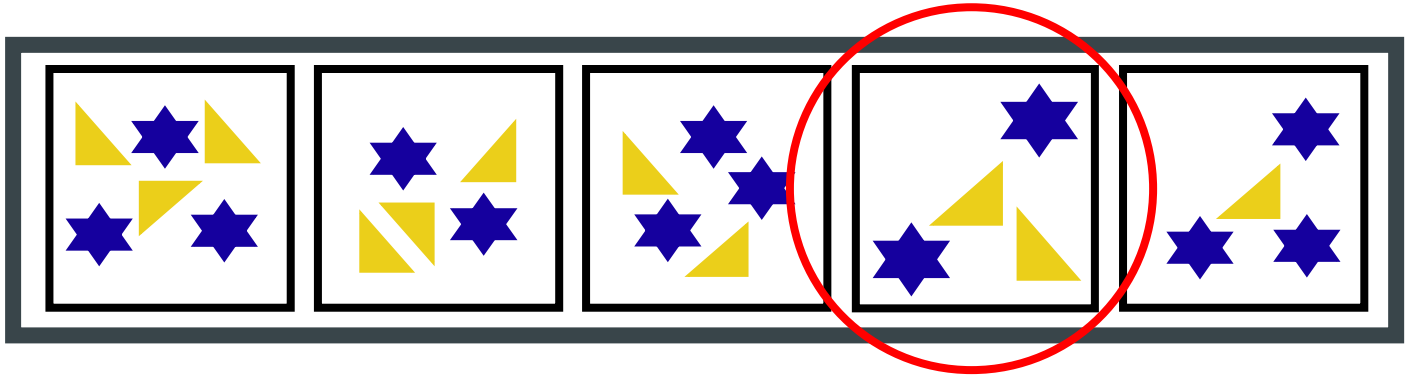
C. 

D. 

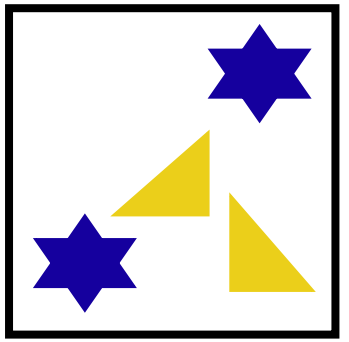
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Test Answer



- Always look for patterns
- **Pattern [1]:** Number of stars in the box (3,2,3,2,3).
- **Pattern [2]:** Number of triangles is decreasing in every square in sequence after being shown twice.
- Therefore, the missing square contains only two stars and two triangles in no specific position.
- **The correct answer is (D)**

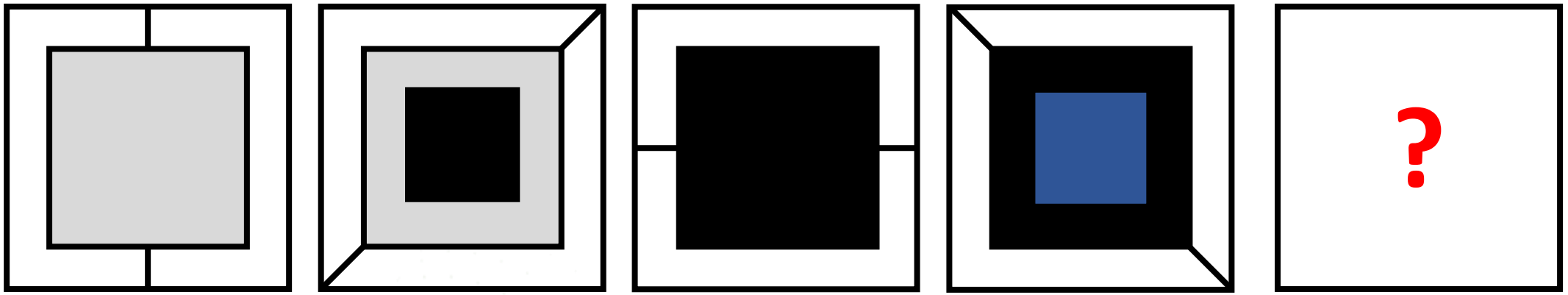


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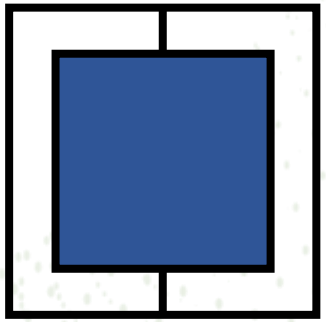
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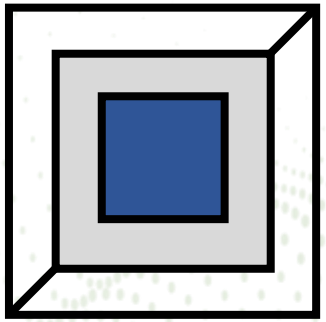
Which of the following figures comes next in this sequence?



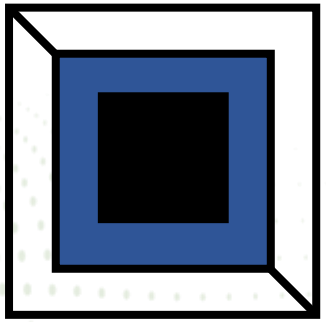
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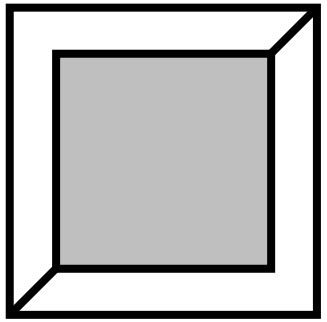
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C.



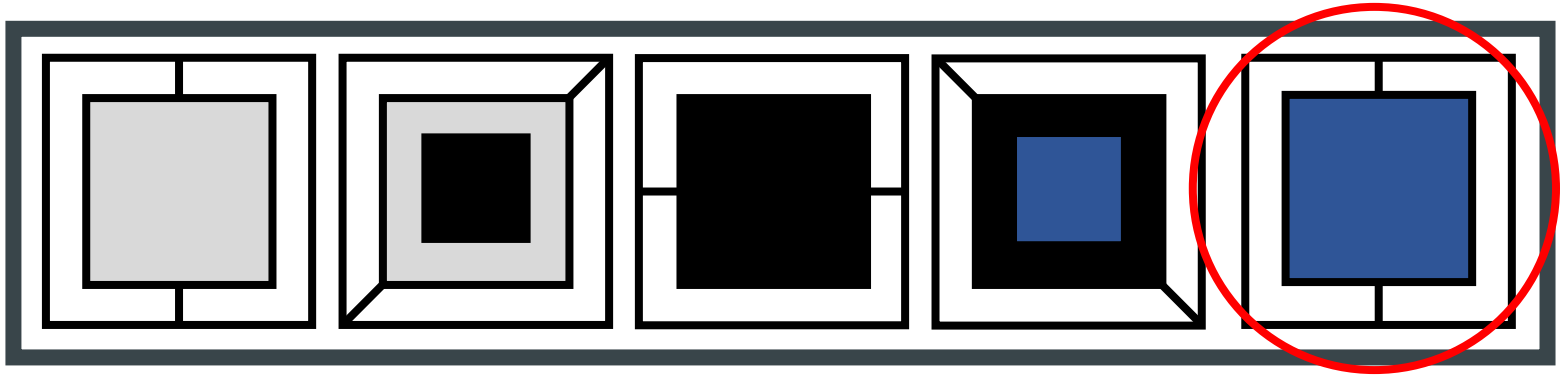
D.



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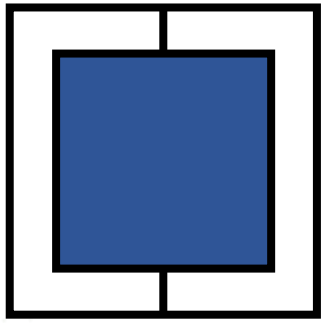
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Test Answer



- Three patterns are present in this sequence.
- **Pattern [1]:** Smaller inside square is only present in every other box.
- **Pattern [2]:** The color of the bigger square depends on color of the smaller (inside) square present in the previous figure.
- **Pattern [3]:** The straight lines inside the box are rotating clockwise in each figure.
- Therefore, the next box should only contain solid blue square (without inside square) and a straight line following the sequence.

- **The correct answer is (A)**

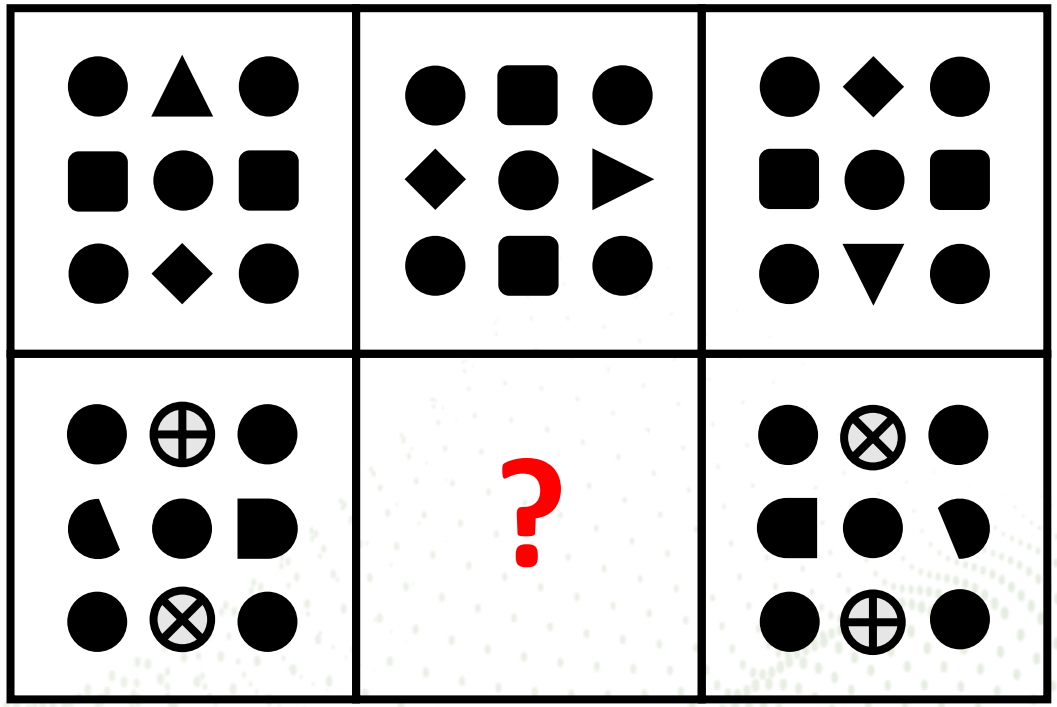


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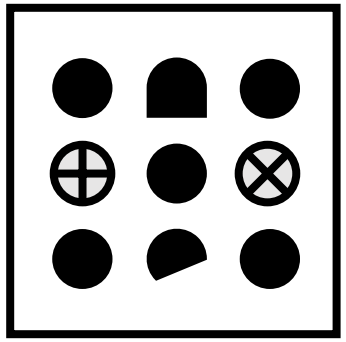
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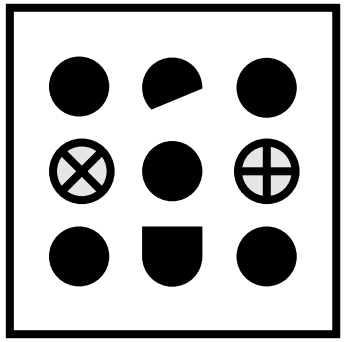
Which of the following completes the figure?



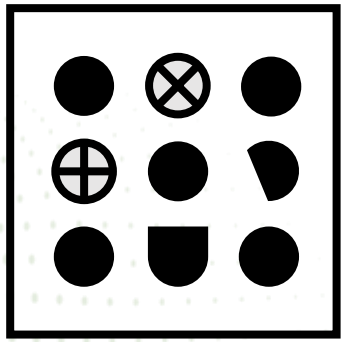
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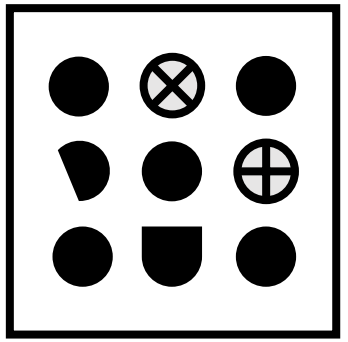
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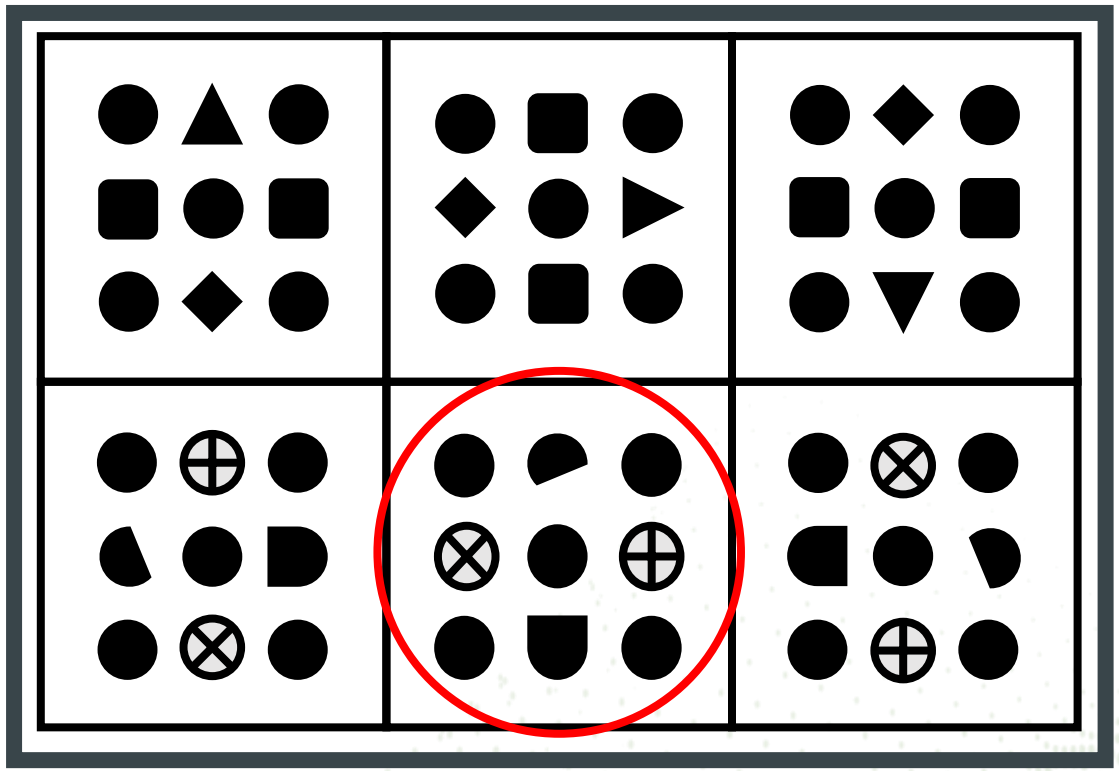
D.



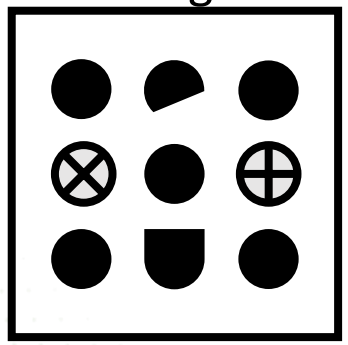
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Test Answer



- There are two sets of different shapes shown in this figure.
- Notice that each set contains different shapes
- **Pattern [1]:** In the first set, the shapes rotates clockwise.
- **Pattern [2]:** In the second set, the shapes are different but also rotates clockwise.
- The second set mirrors the rotation of shapes happening in the first set.
- Therefore, the missing part of the figure contains a shapes that is rotated 90° to the right.
- **The correct answer is (C)**

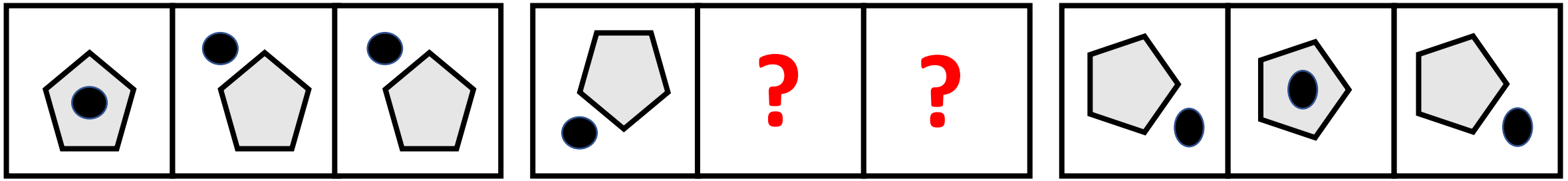


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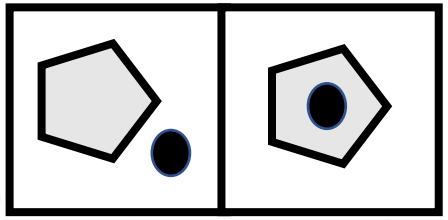
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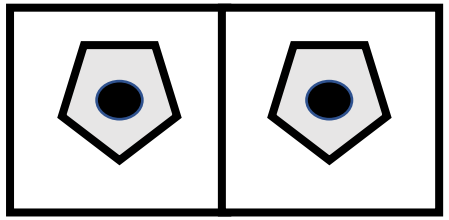
Which of the following fits the most in this sequence?



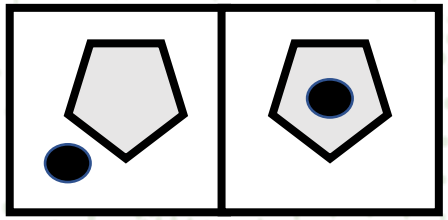
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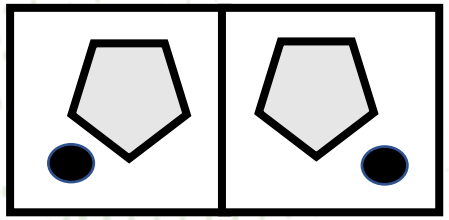
C.



B.



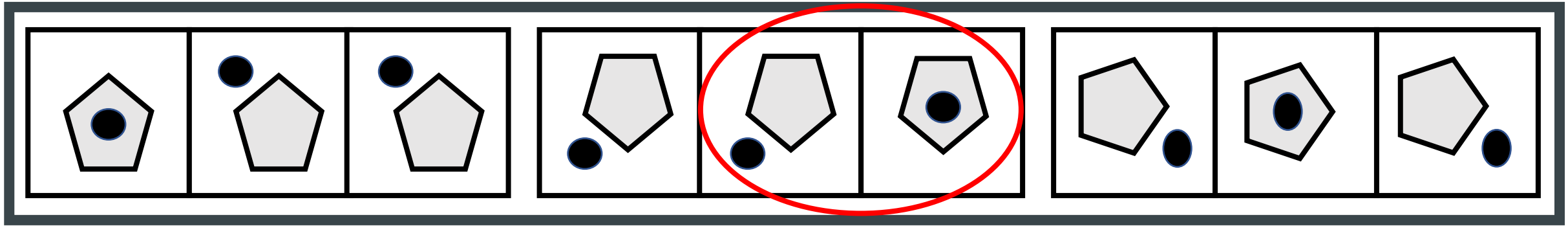
D.



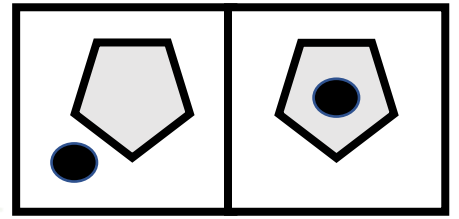
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Test Answer



- Three sets of figures are shown.
- **Pattern [1]:** Each set have a pentagon with one circle in the middle.
- **Pattern [2]:** Next, there are two pentagons with one circle outside the shape.
- All patterns applies in each set.
- Notice that in the missing part of the figure, a pentagon with a circle in the middle and another with a circle outside the shape is missing.
- Therefore, the best choice that completes the set is the pentagon with those missing shapes.
- **The correct answer is (B)**

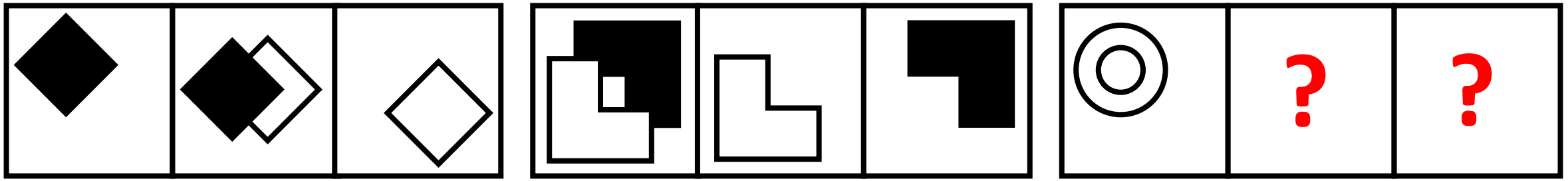


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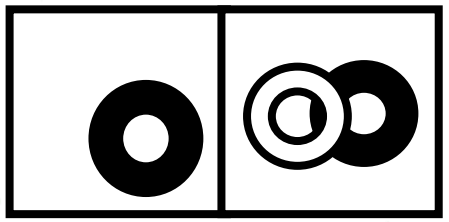
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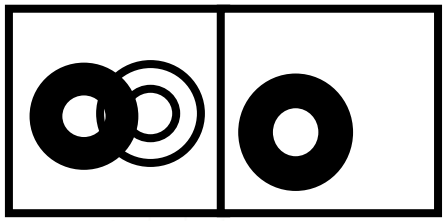
Which of the following figures comes next in the sequence?



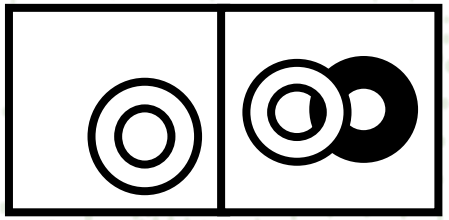
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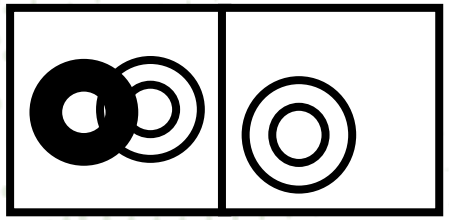
C.



B.



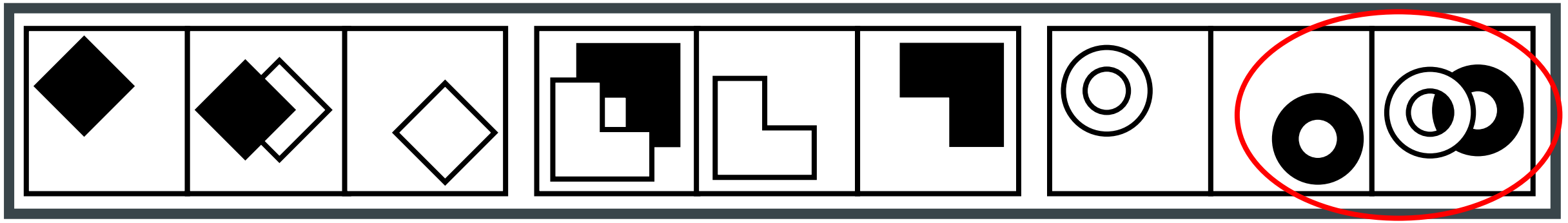
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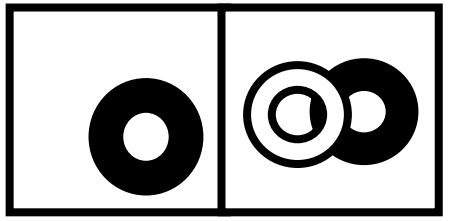
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Test Answer



- Three sets of figures can be seen.
- **Pattern [1]:** A set has one white shape, a black shape and a combination of the two.
- **Pattern [2]:** The first solo shape in the set is always placed in the left side of the square.
- **Pattern [3]:** The second solo shape in the set is always placed in the right side of the square.
- **Pattern [4]:** The combination of both shapes is always placed in the center of the square.
- **Pattern [5]:** In the combination of both shapes, the first solo shape in the left always overlaps with the second solo shape.
- Therefore, the next box should contain a black shape in the right side and a white shape that overlaps the black shape.
- **The correct answer is (A)**

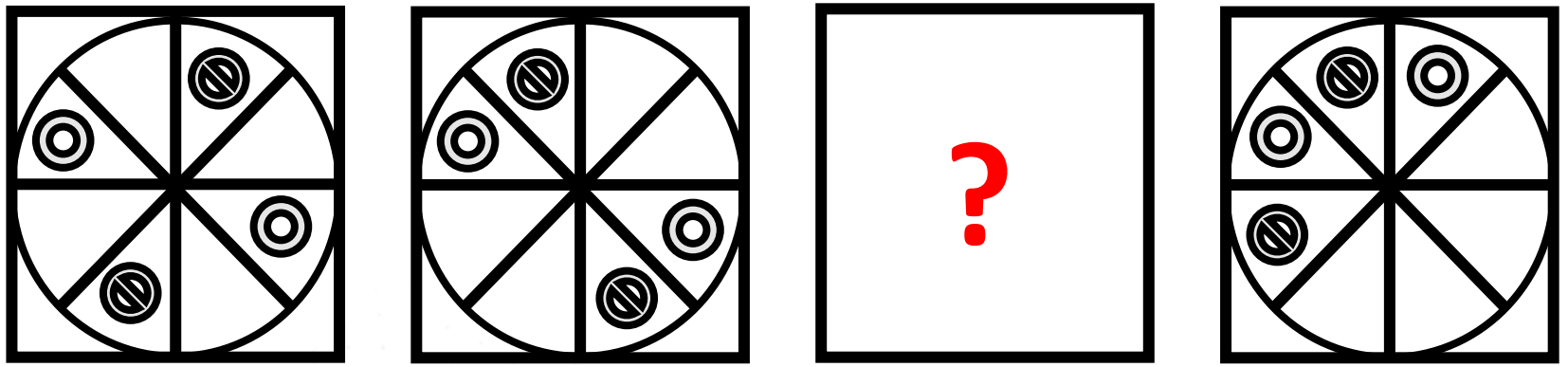


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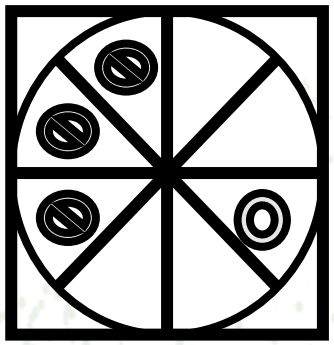
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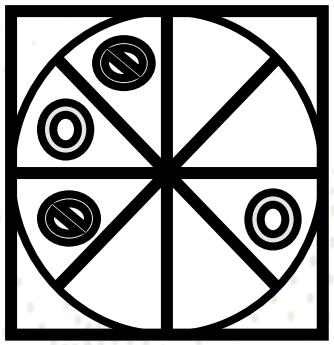
Which of the following figures comes next in the sequence?



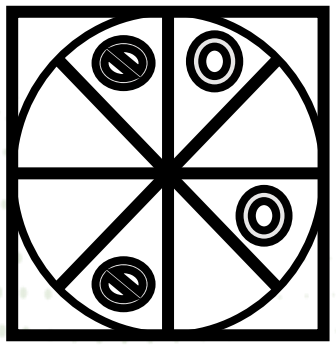
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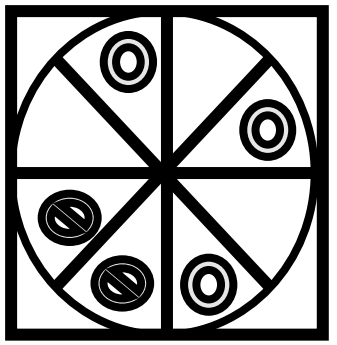
B.



C.



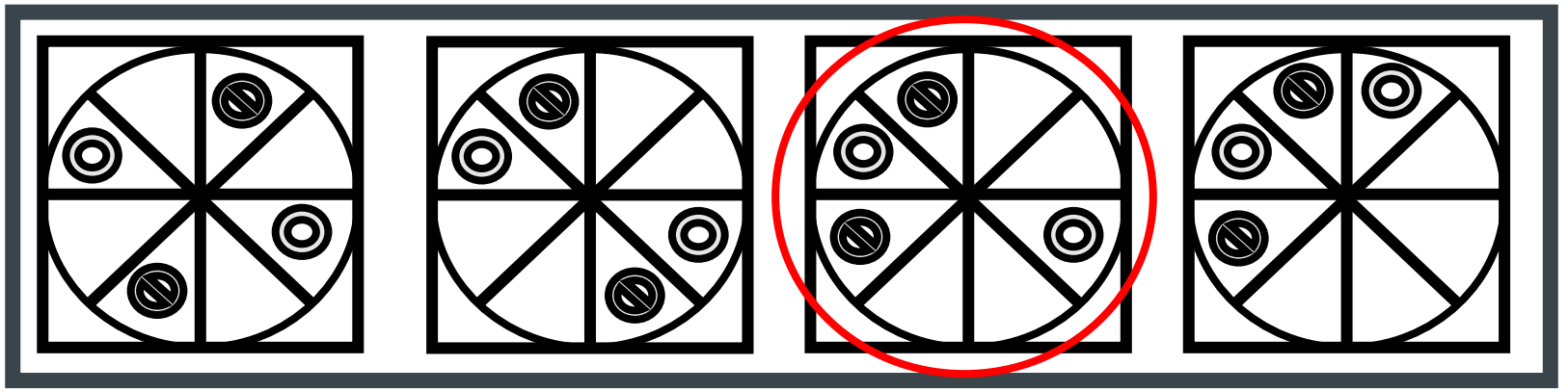
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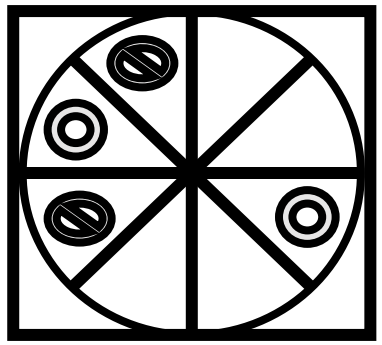
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Test Answer



- The only pattern in this figure concerns the number of small circles inside the big circle.
- **Pattern [1]:** Each circle has two type of small circles. The number of each remains the same in the entire sequence.
- **Pattern [2]:** The small circle incrementally joins each other.
- Therefore, the next box should contain a circle that has both types of small circles and incrementally increased from the previous circle.
- **The correct answer is (B)**

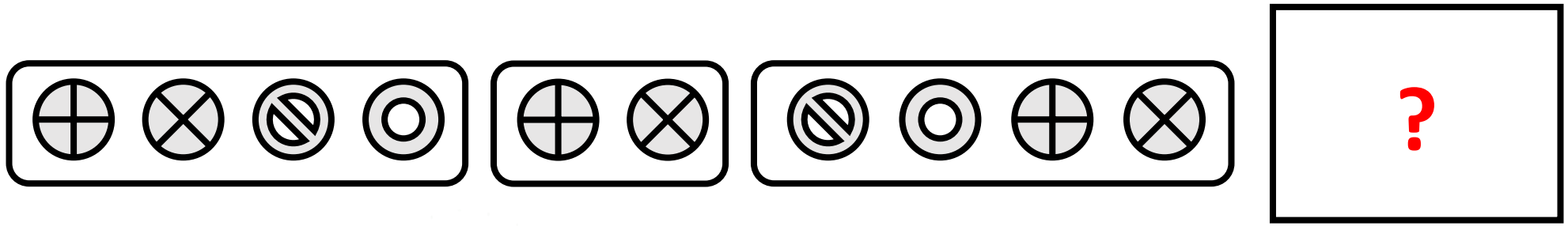


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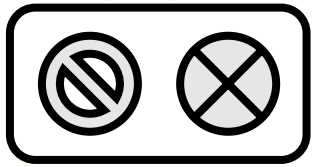
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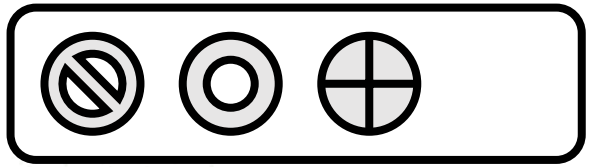
Which of the following figures comes next in the sequence?



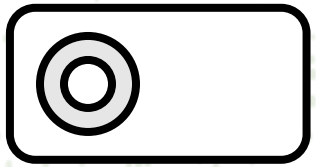
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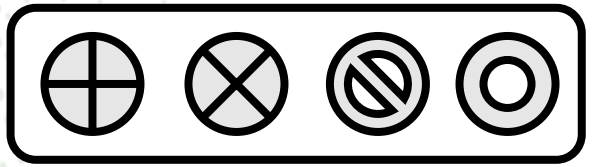
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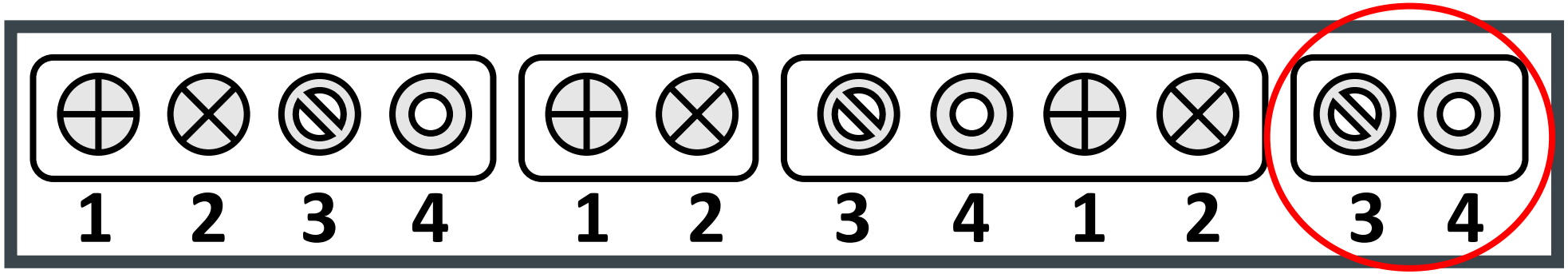
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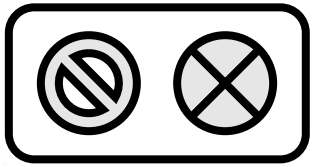
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Test Answer



- To avoid confusion, each circle are numbered and the order of the each remains the same.
- **Pattern [1]:** The longer rectangle and the short rectangle interchangeably replaces each other in the sequence.
- **Pattern [2]:** The longer rectangle always contains all four types circles and the short rectangle only have the two types of circle.
- Therefore, the next in line is a short rectangle and circles following the sequence.
- **The correct answer is (A)**

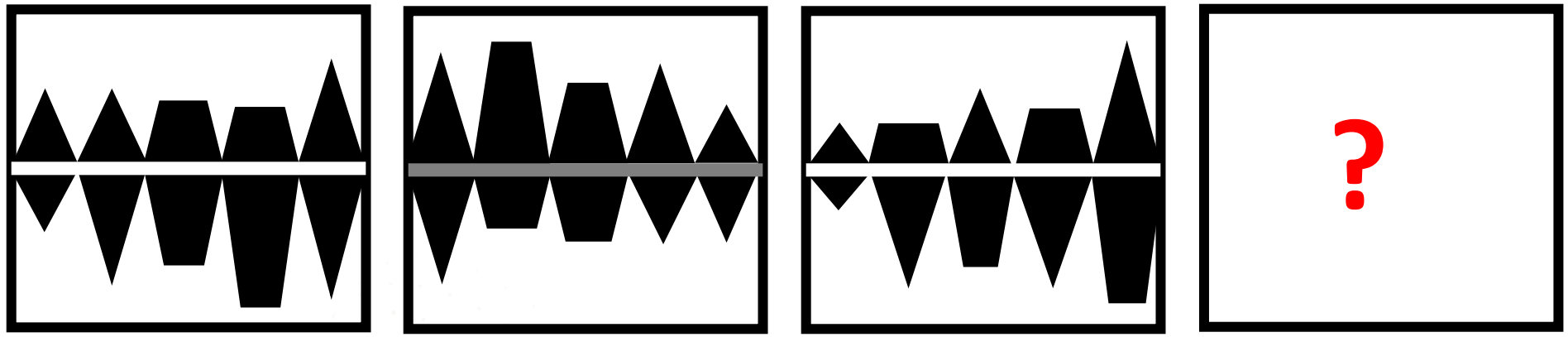


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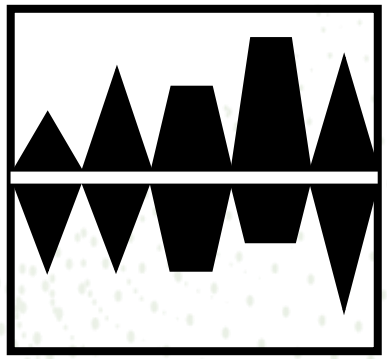
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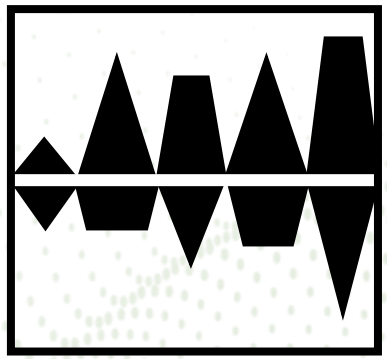
Which of the following figures comes next in the sequence?



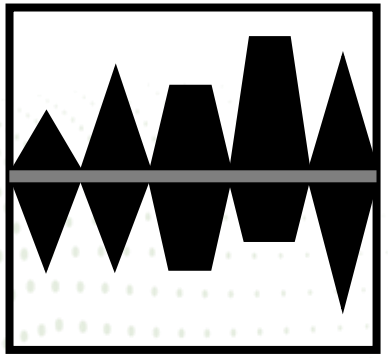
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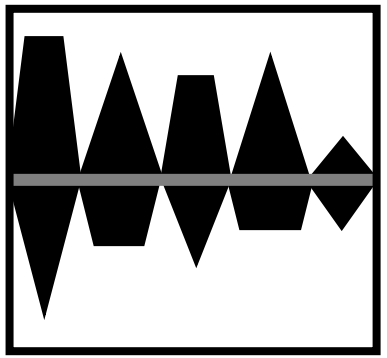
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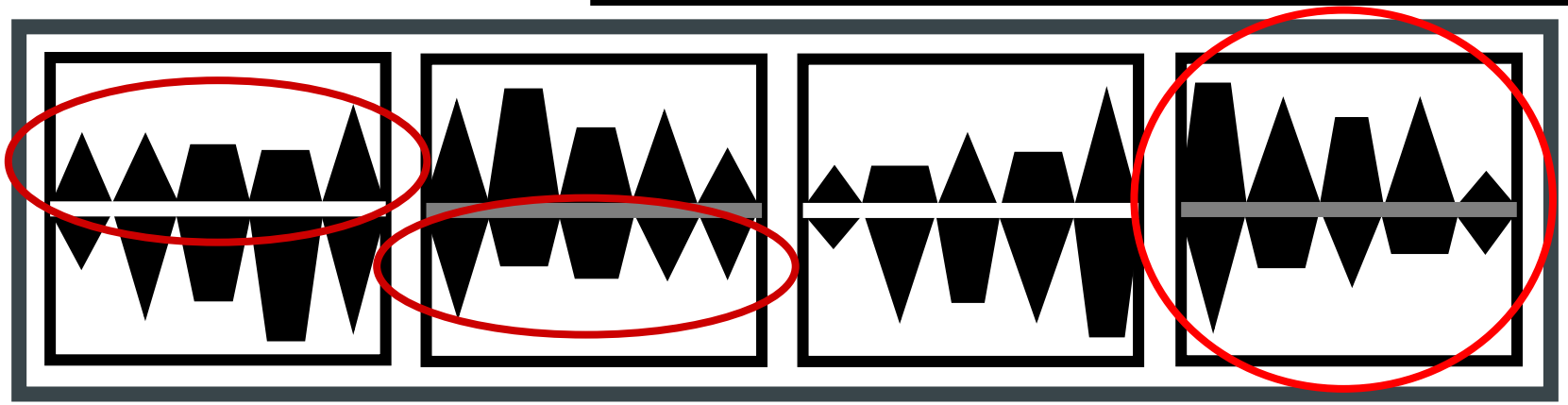
D.



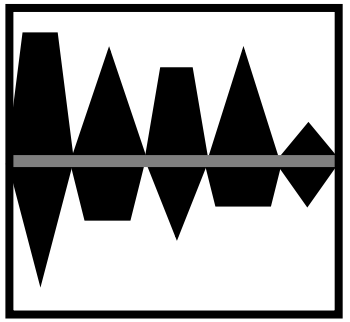
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Test Answer



- There are two triangles that can be seen in this sequence.
- **Pattern [1]:** Notice that the line dividing the square changes color from white to gray.
- **Pattern [2]:** The order of the triangles in the upper part of the square follows the order in the lower part of the previous square.
- Also, apply the previous method in the opposite side of the square.
- Therefore, the next box should contain triangles of the same sequence like the previous square.
- **The correct answer is (D)**

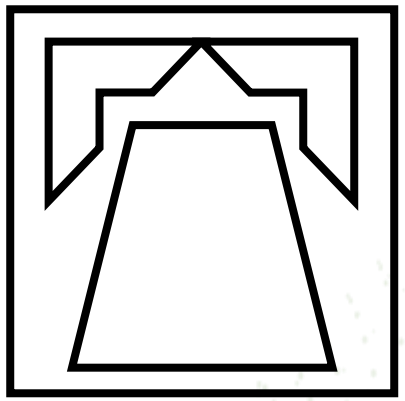


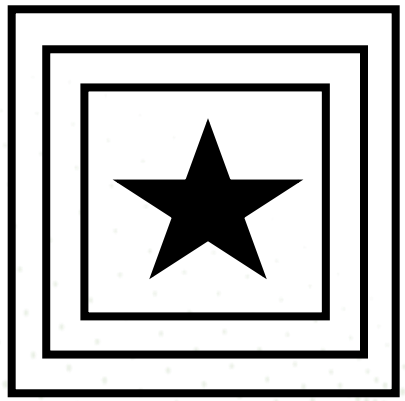
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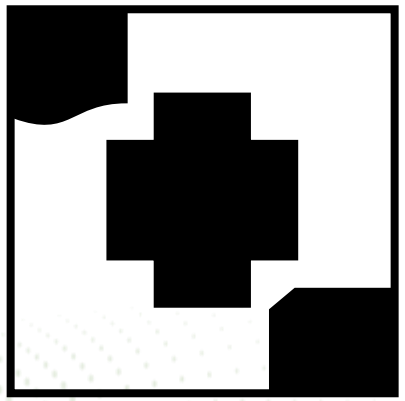
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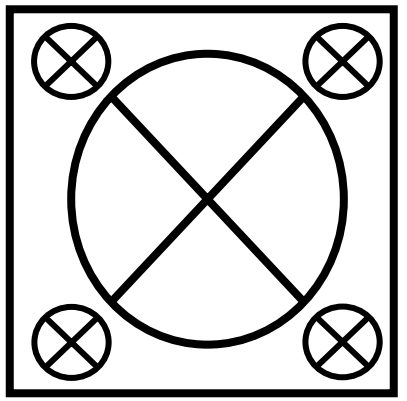
Test Question

Choose from the following squares the one that does not belong to the group.

A. 

B. 

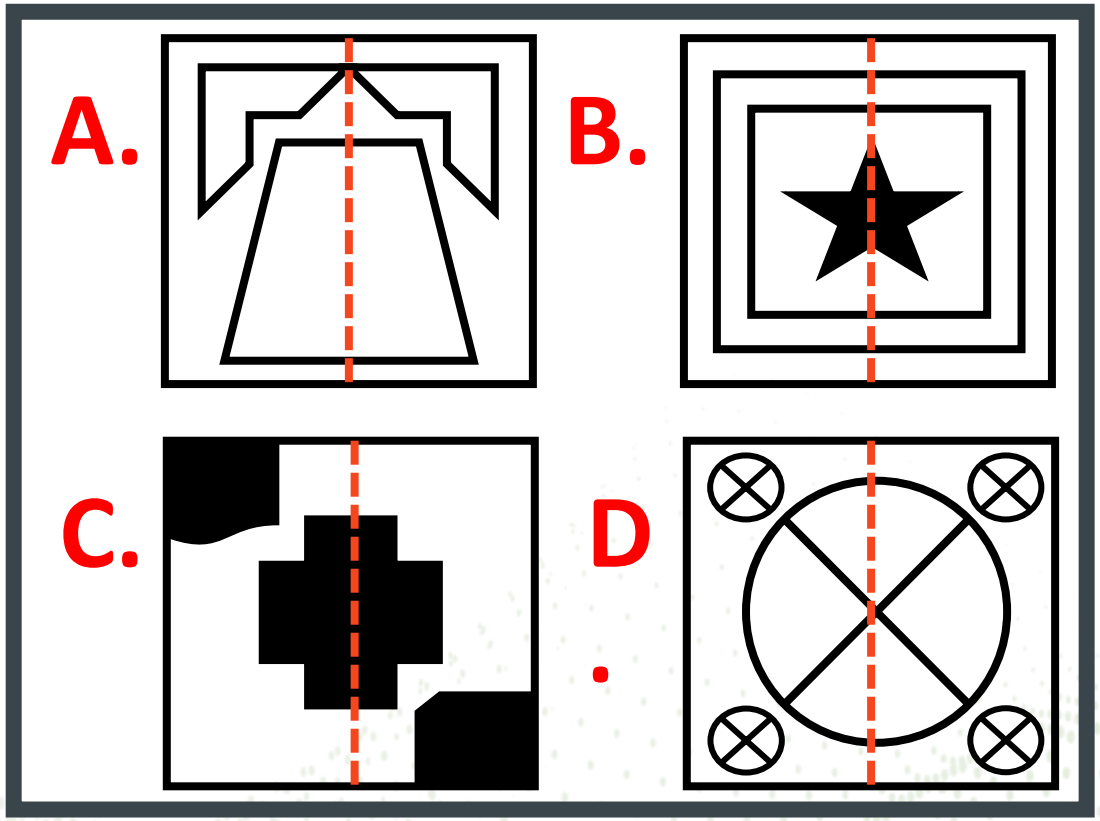
C. 

D. 

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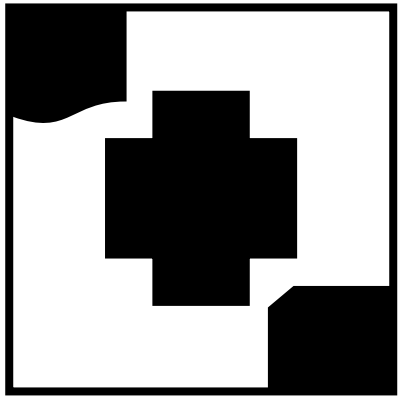
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Test Answer



- Only the similarity among the figures must be defined.
- **Pattern [1]:** All figures are symmetrical. It can be divided in the center and have both sides that mirrors each other.
- Therefore, the box that does not belong to the group is the asymmetrical figure.

- **The correct answer is (C)**

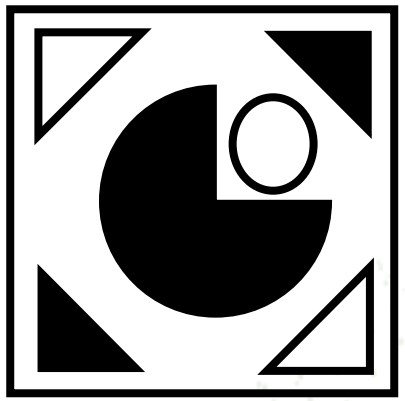


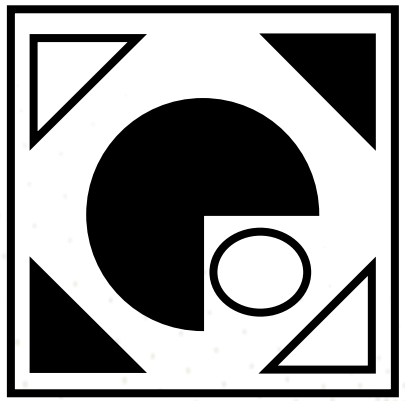
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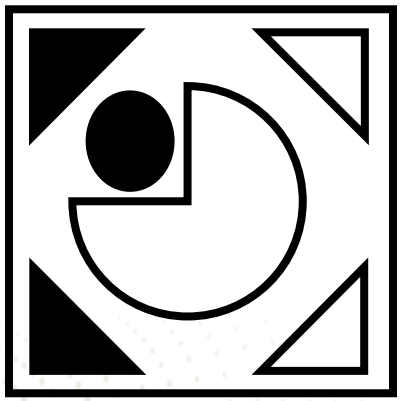
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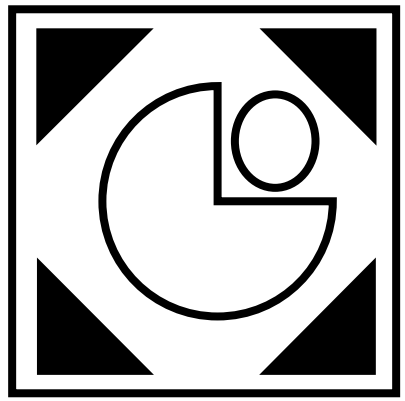
Test Question

Choose from the following squares the one that does not belong to the group.

A. 

B. 

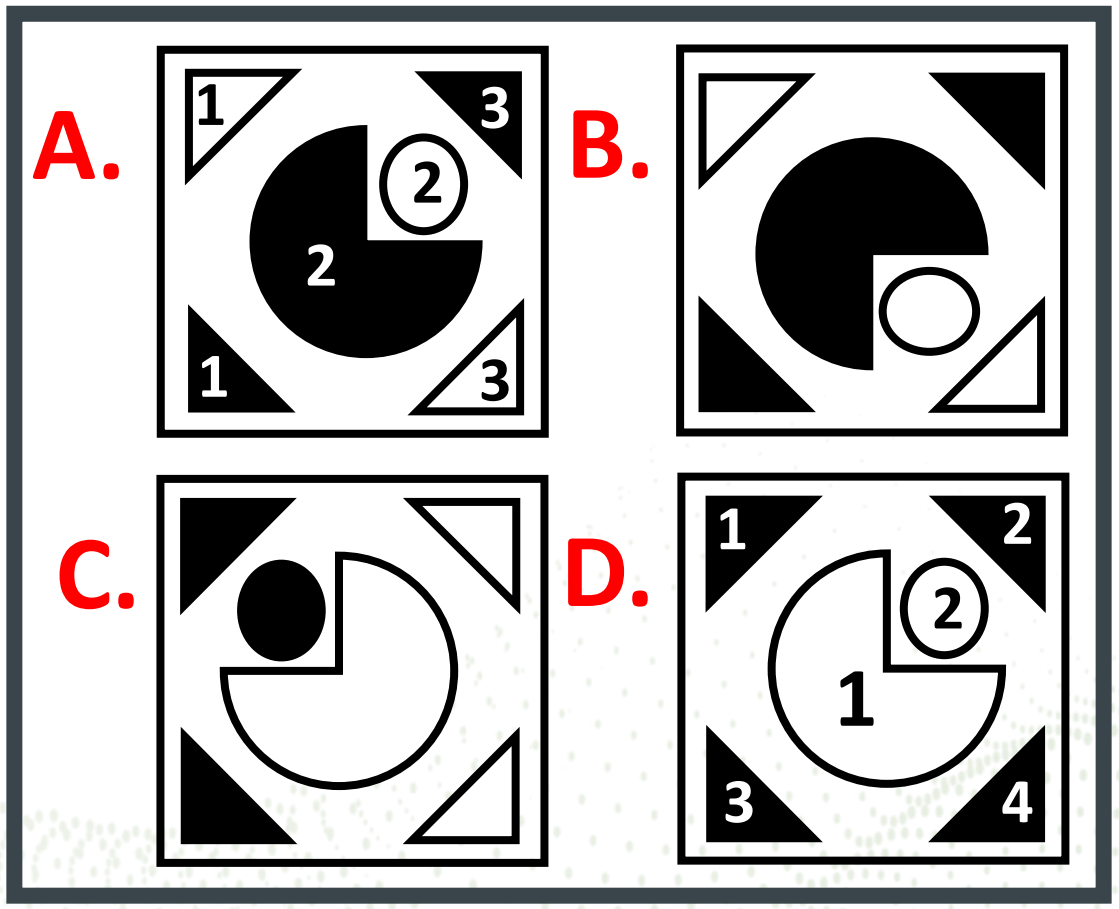
C. 

D. 

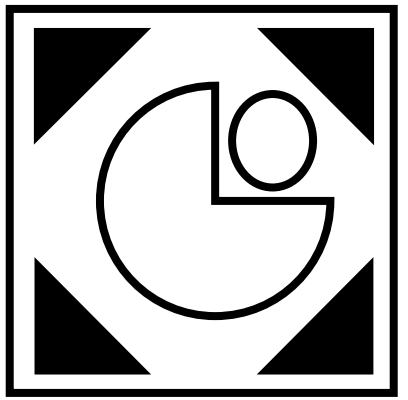
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Test Answer



- Notice that all figures contains a black and a white shape.
- **Pattern [1]:** There must be an equal number of shapes colored with both black and white.
- Therefore, the odd one out in this group is the figure that do not have an equal distribution of both colors.

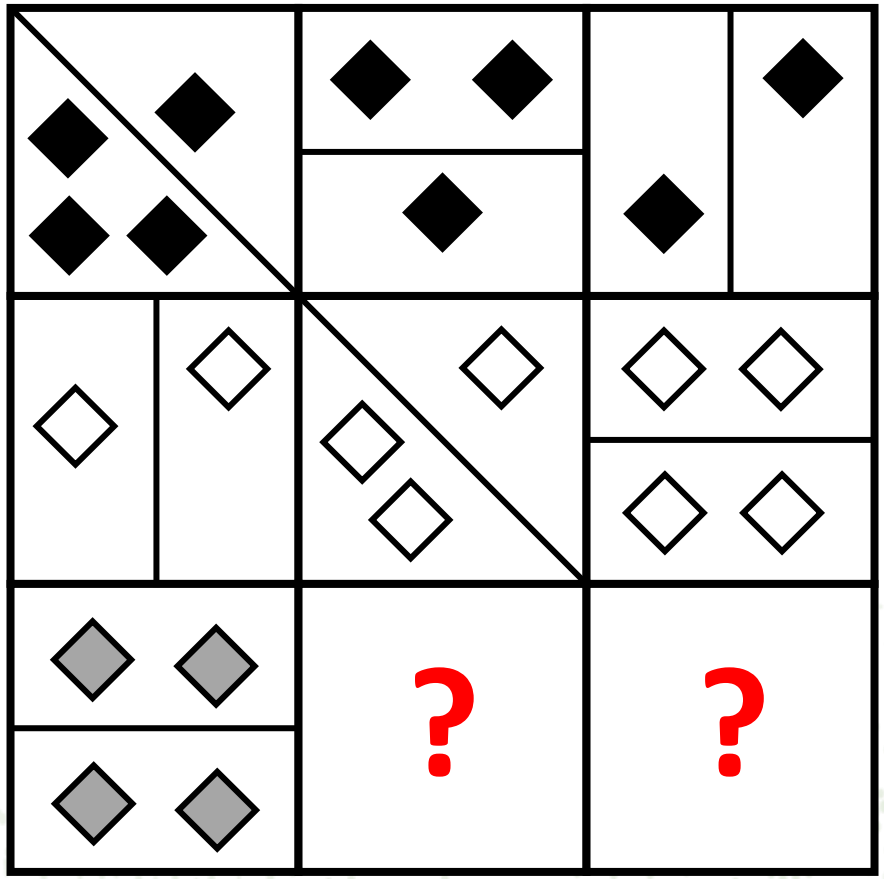


- **The correct answer is (D)**

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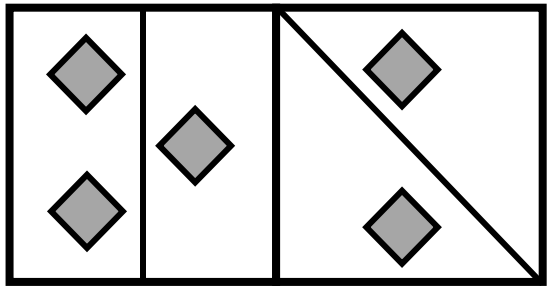
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Test Question

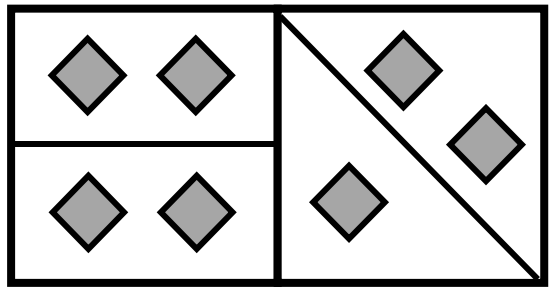


Which of the following completes the figure?

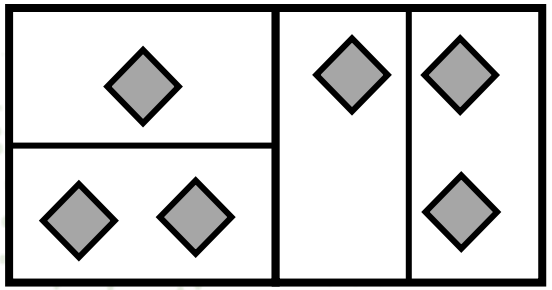
A.



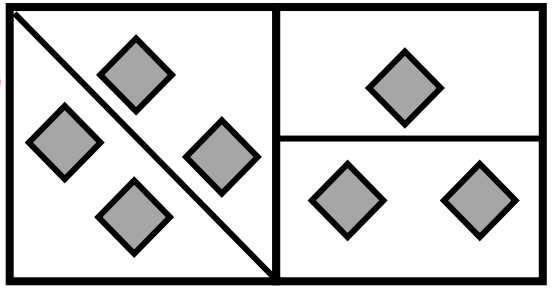
C.



B.



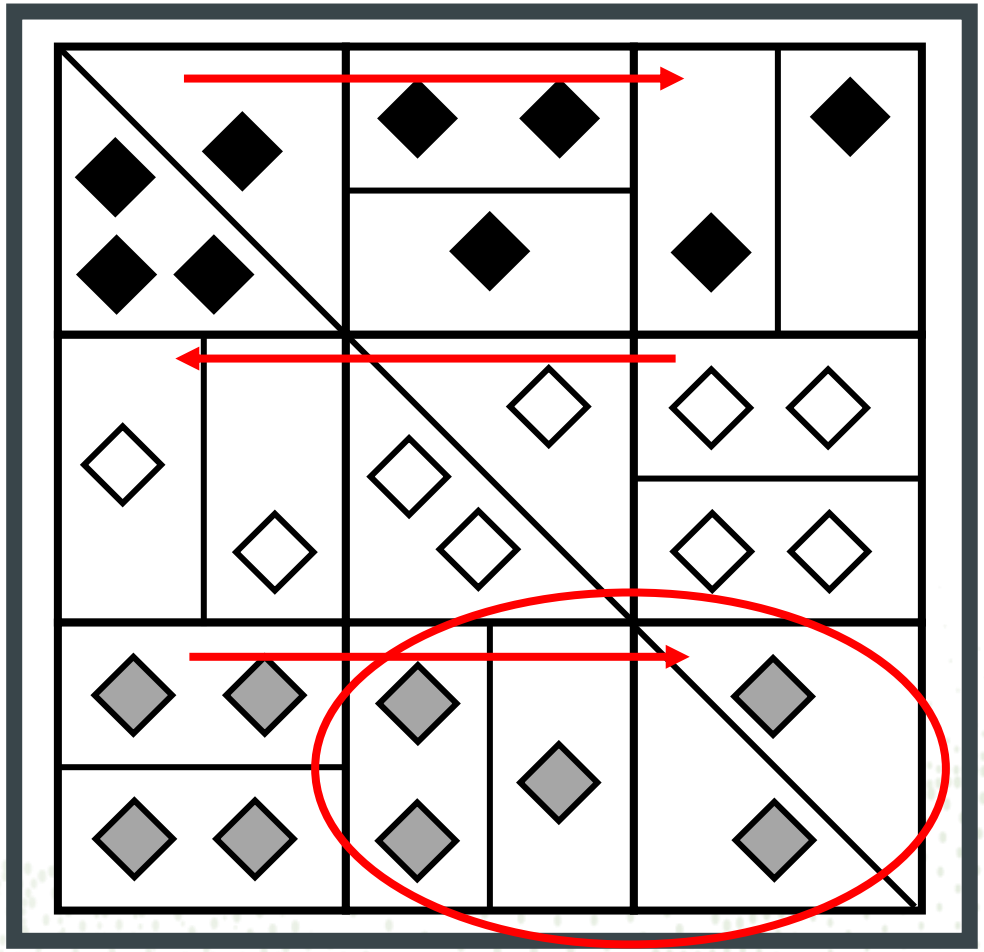
D.



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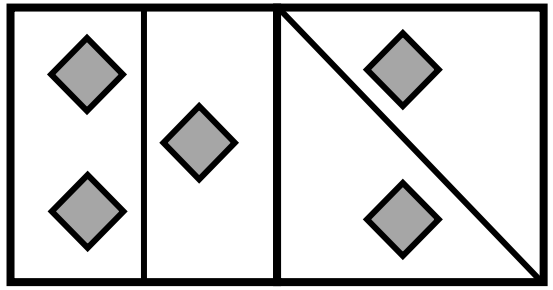
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Test Answer



- There are two patterns present in this figure.
- **Pattern [1]:** There are three types of straight lines. All three are present in the first row until the last row. The order of which does not change even if moved to the right for the next row.
- **Pattern [2]:** The diamonds are arranged in the order, 4,3 and 2. The movement of each is visible in each row.
- Therefore, the missing parts of the square contains a slant line on the farthest right with 2 diamonds and followed by a straight line with 3 diamonds. Also, diamonds must be of similar color.

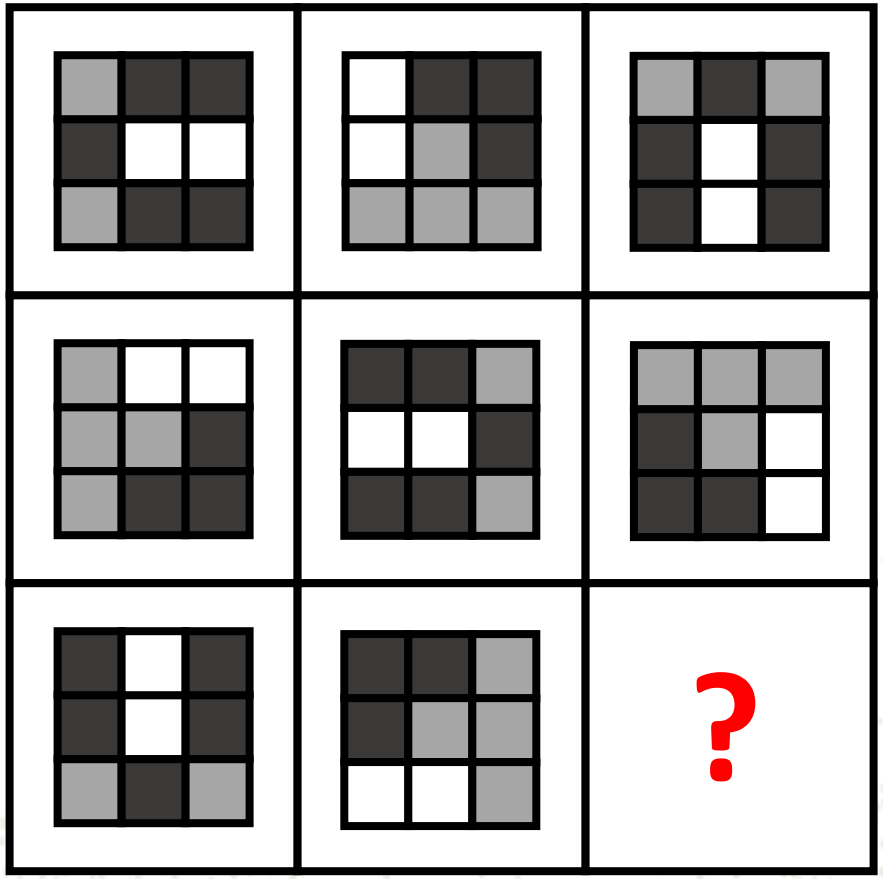
- **The correct answer is (A)**



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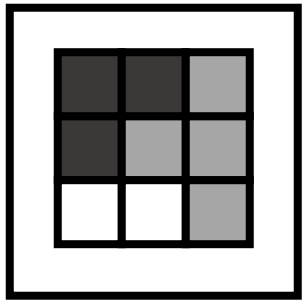
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Test Question

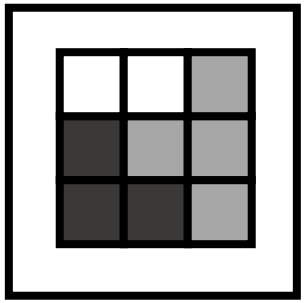


Which of the following completes the figure?

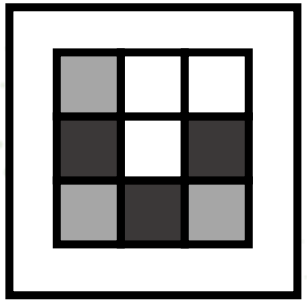
A.



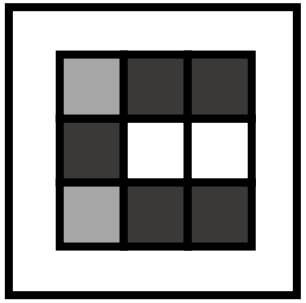
C.



B.



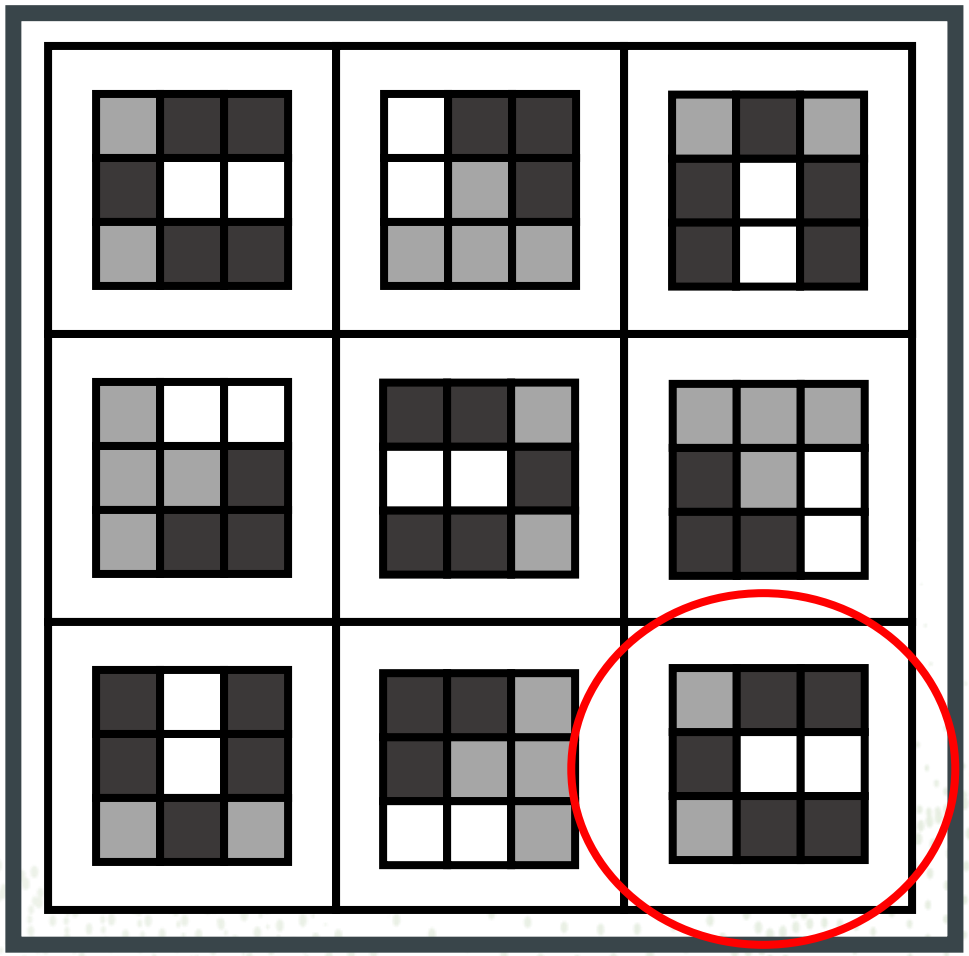
D.



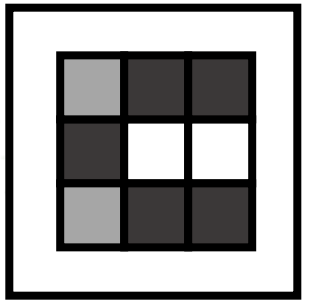
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Test Answer



- There are three patterns simultaneously happening**.**
- **Pattern [1]:** The black shaded parts of the first box forms a “V” and this rotates clockwise in the next in sequence which is in the third box.
- **Pattern [2]:** The grey parts of the square depicts a “T”. It also changes its position clockwise when moving on with the sequence.
- **Pattern [3]:** The V shape and T shape are alternately changing their position in the entire square.
- Therefore, the missing part of the square contains a “V” shape and is following the sequence from the previous part with similar figure.



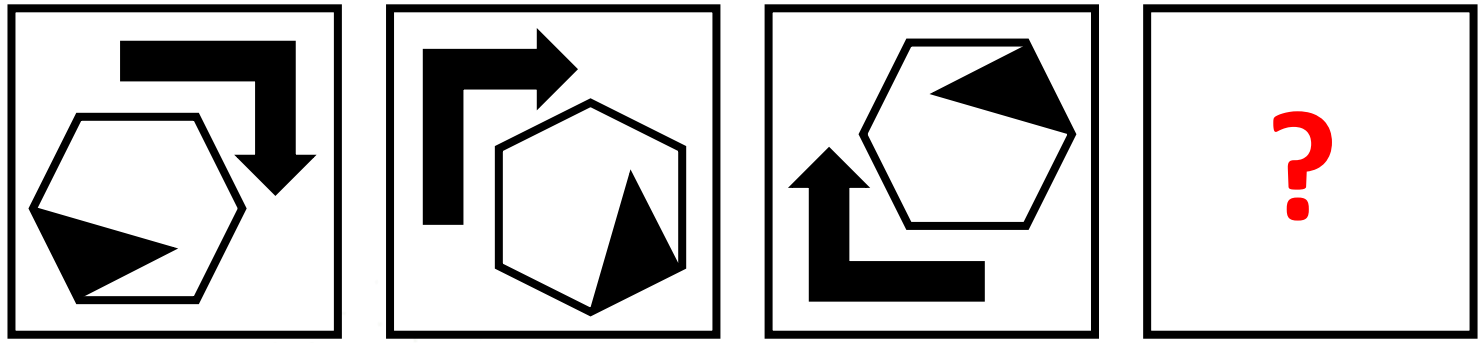
- **The correct answer is (D)**

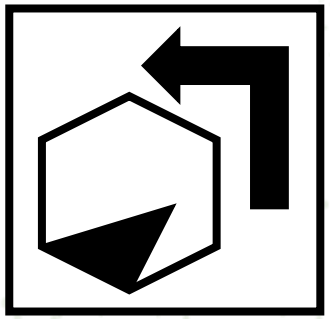
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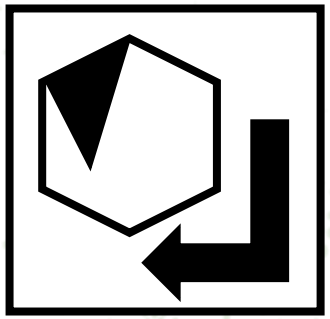
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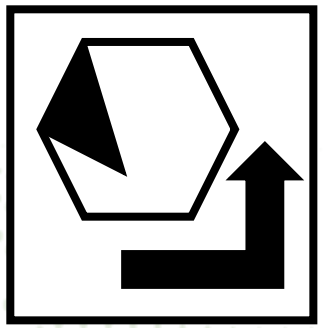
Test Question

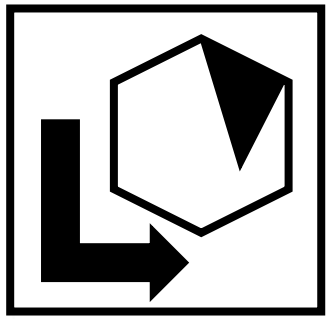
Which of the following squares comes next in the sequence?



A. 

B. 

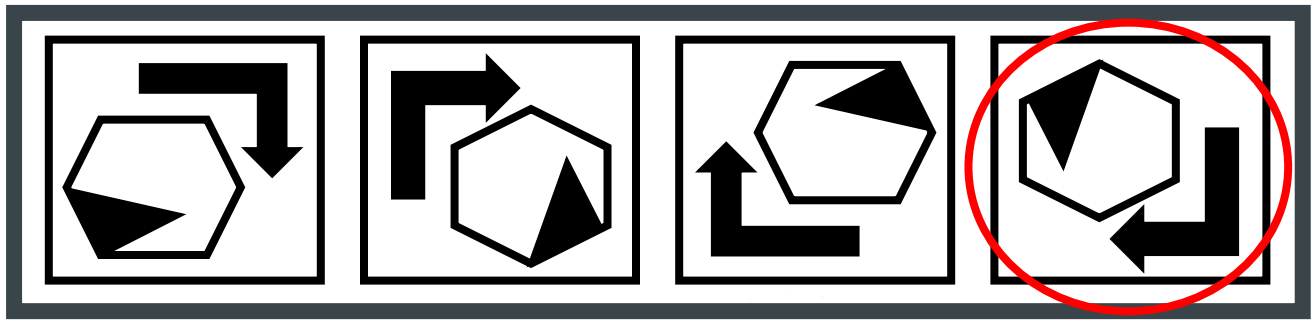
C. 

D. 

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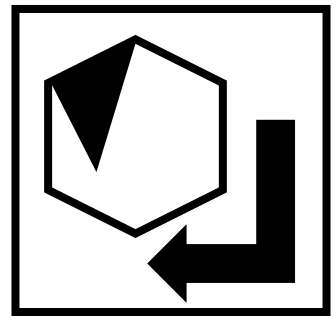
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Test Answer



- There are two patterns happening in this sequence.
- **Pattern [1]:** The arrow rotates counterclockwise.
- **Pattern [2]:** The triangle inside the hexagon always have its corner pointing to the arrow.
- Therefore, the next box should contain a arrow that is rotated backwards and a triangle pointing to it.

- **The correct answer is (B)**

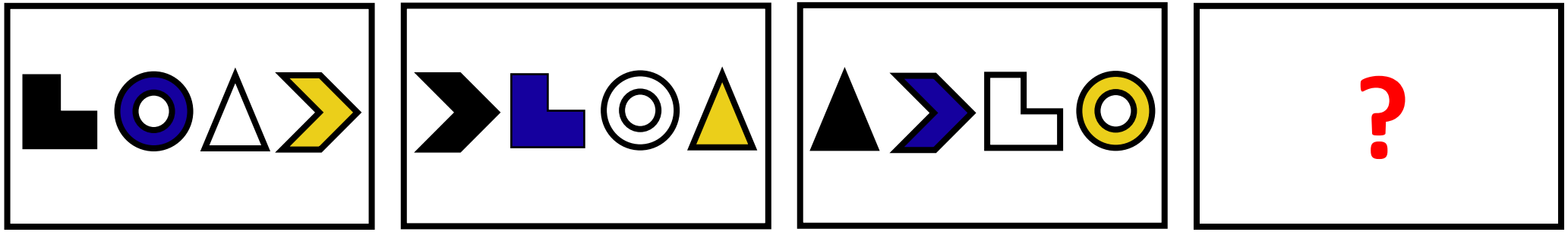


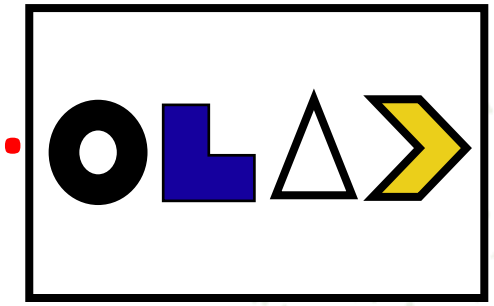
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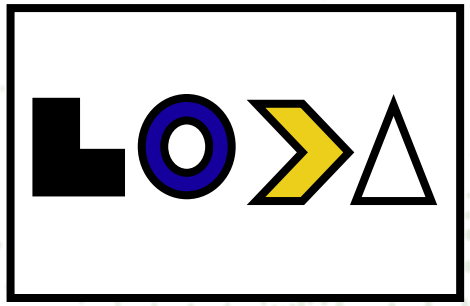
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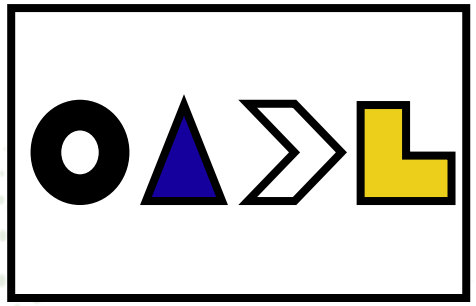
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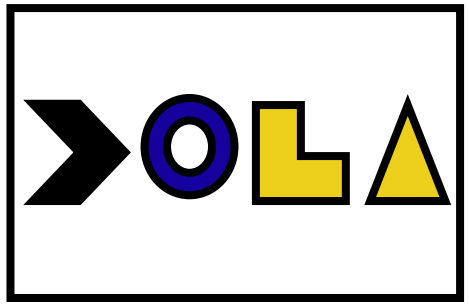
Which of the following figures comes next in the sequence?



A. 

B. 

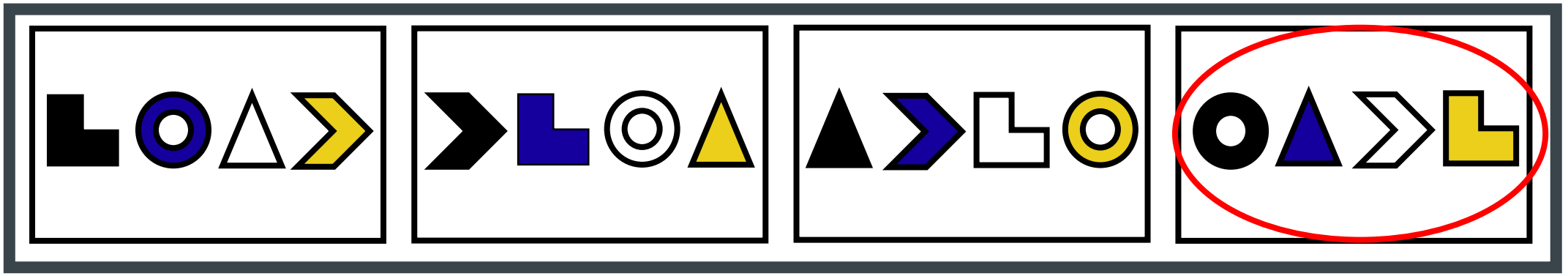
C. 

D. 

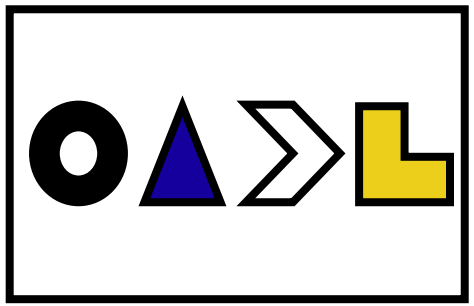
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Test Answer



- In this sequence, a simple pattern can be seen.
- Each box contains 4 interchanging shapes.
- **Pattern [1]:** The last shape from the previous figure is the first one that has to be in the next figure.
- **Pattern [2]:** The colors of which are always the same in each figure in the sequences. (Black, Blue, White, Yellow)
- Therefore, the next box should contain shapes in the same order rotating order with colors Black, Blue, White, and Yellow.
- **The correct answer is (C)**

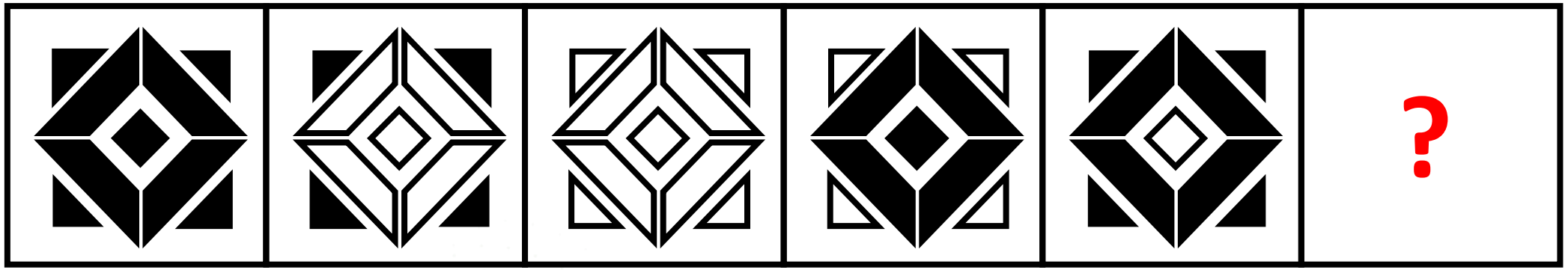


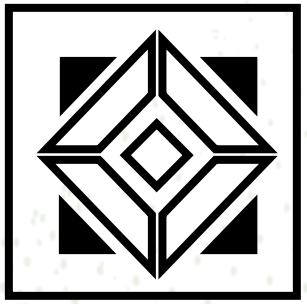
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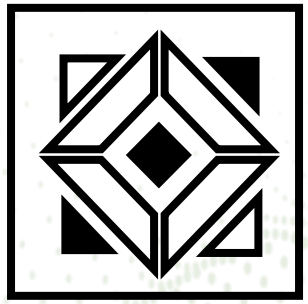
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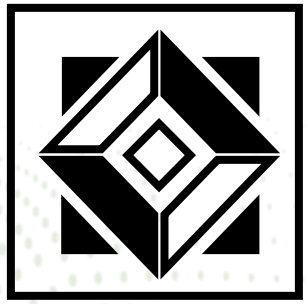
Test Question

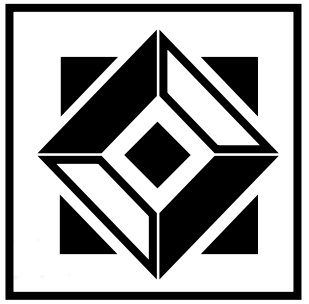
Which of the following squares comes next in the sequence?



A. 

B. 

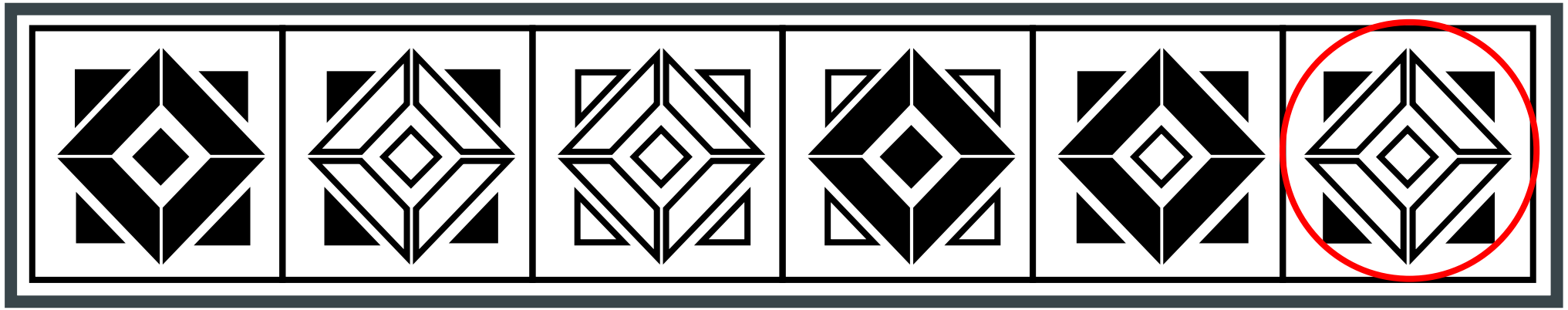
C. 

D. 

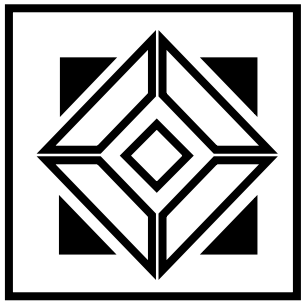
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Test Answer



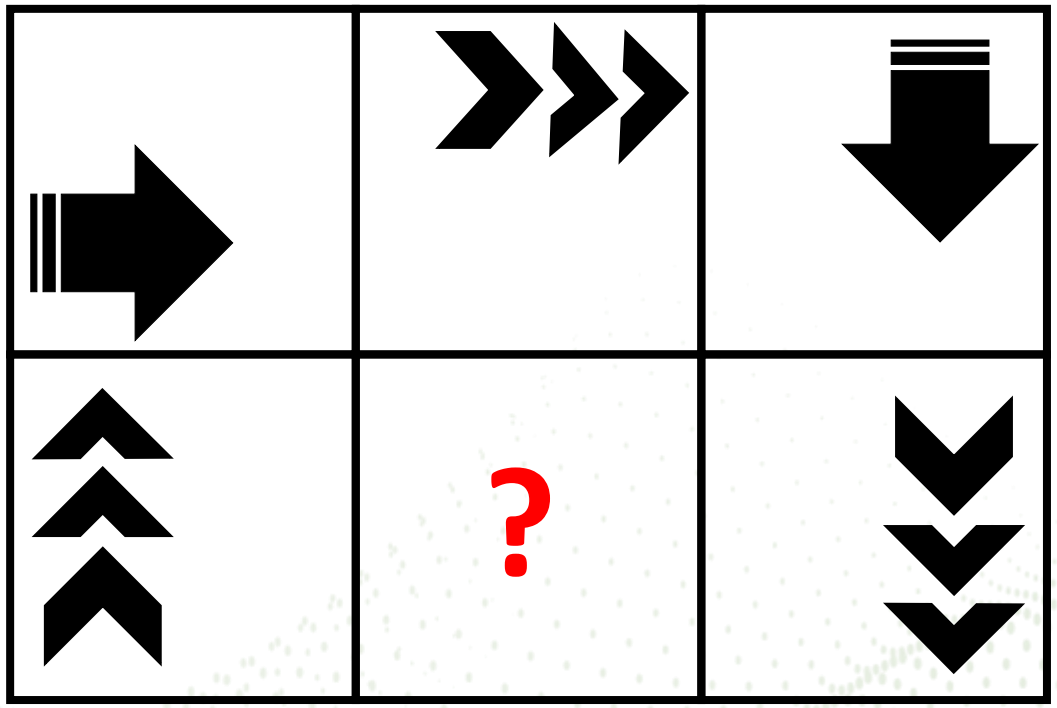
- Two patterns are present in this sequence.
- **Pattern [1]:** The diamond in the center changes color between white and black. It changes to black after showing white, twice.
- **Pattern [2]:** The colors in the outside are in the pattern Black, Black and White, White, and Black and White.
- Therefore, the next box should have square that has a white diamond in the center and a Black and White colors for the outside shapes.
- **The correct answer is (A)**



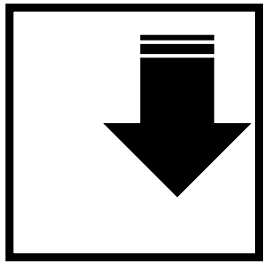
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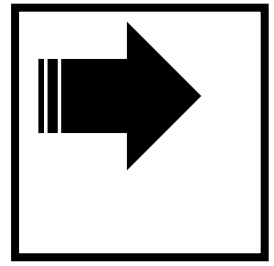
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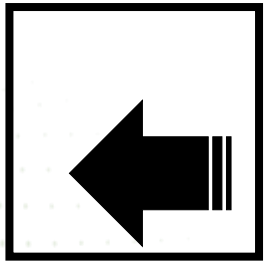
Test Question

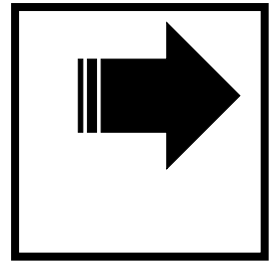


Choose which best fits the missing part of the rectangle.

A. 

C. 

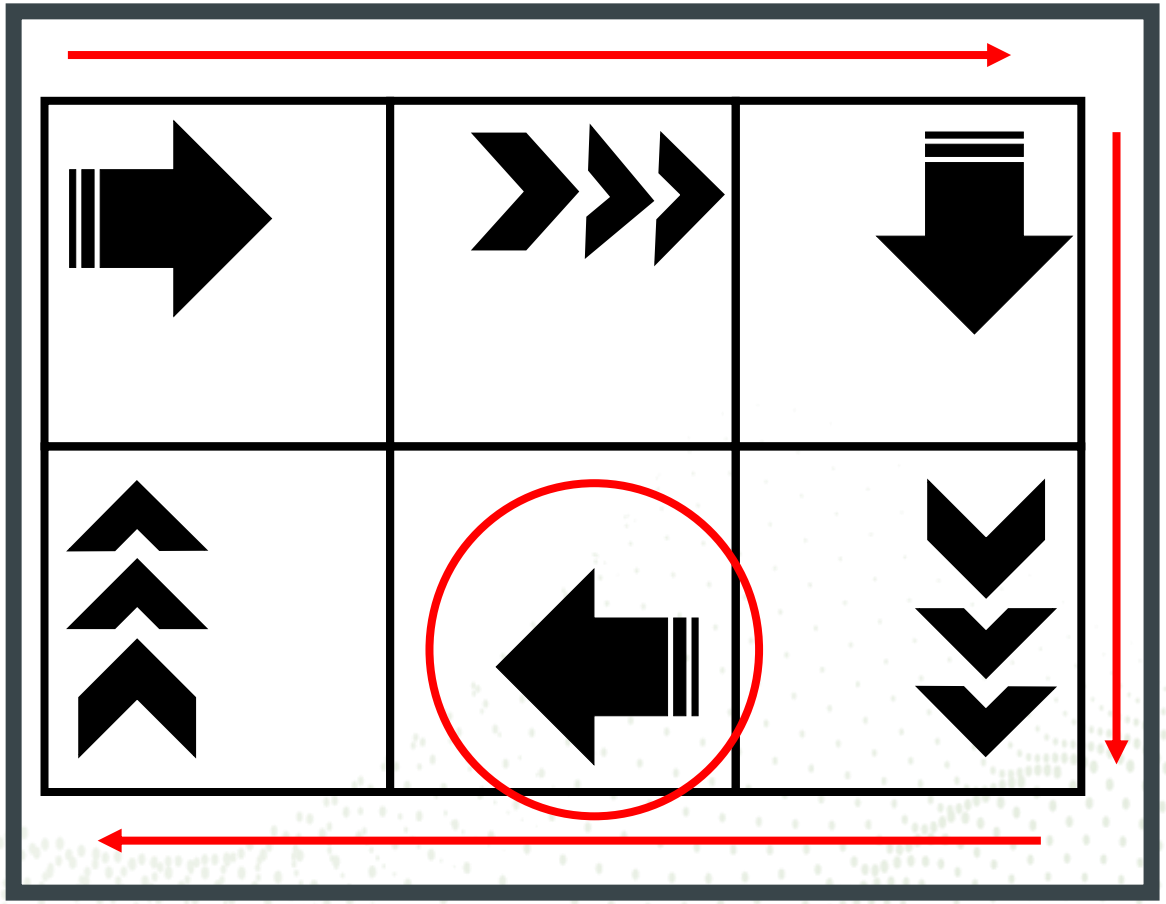
B. 

D. 

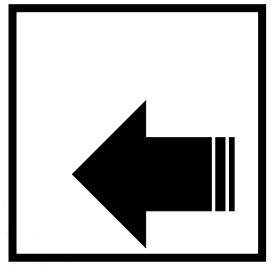
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Test Answer



- There are three patterns present in this sequence.
- **Pattern [1]:** The placing of the arrows in each row are in the order of Left, Right and Right.
- **Pattern [2]:** From the left corner, it is shown that the arrows are alternately changing in each box.
- **Pattern [3]:** The arrow usually points to the direction of where would be the next place for the next arrow.
- Therefore, the missing part of the square contains an arrow placed in the right corner pointing to the left, as it is where the next shape will be.
- **The correct answer is (B)**

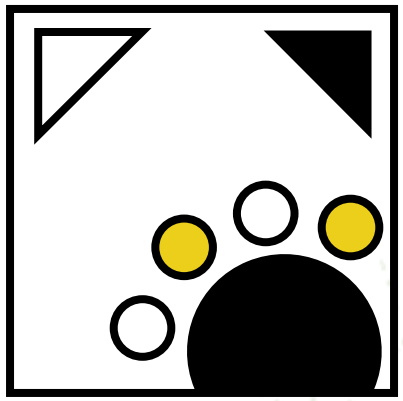


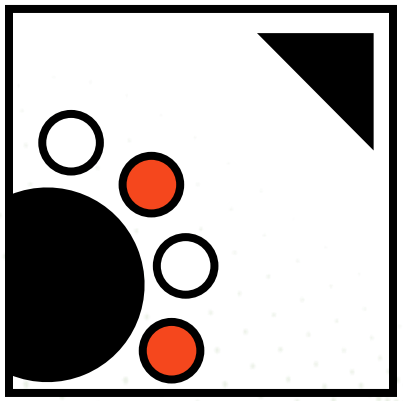
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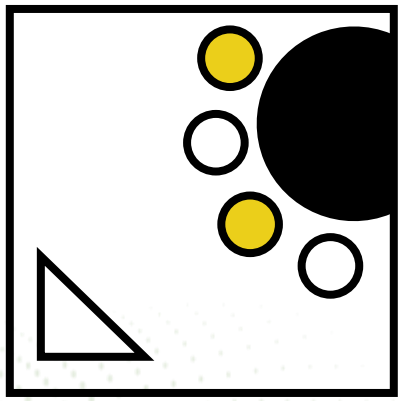
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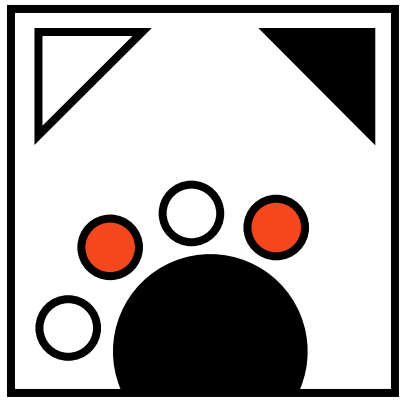
Test Question

Choose from the following squares the one that does not belong to the group.

A. 

B. 

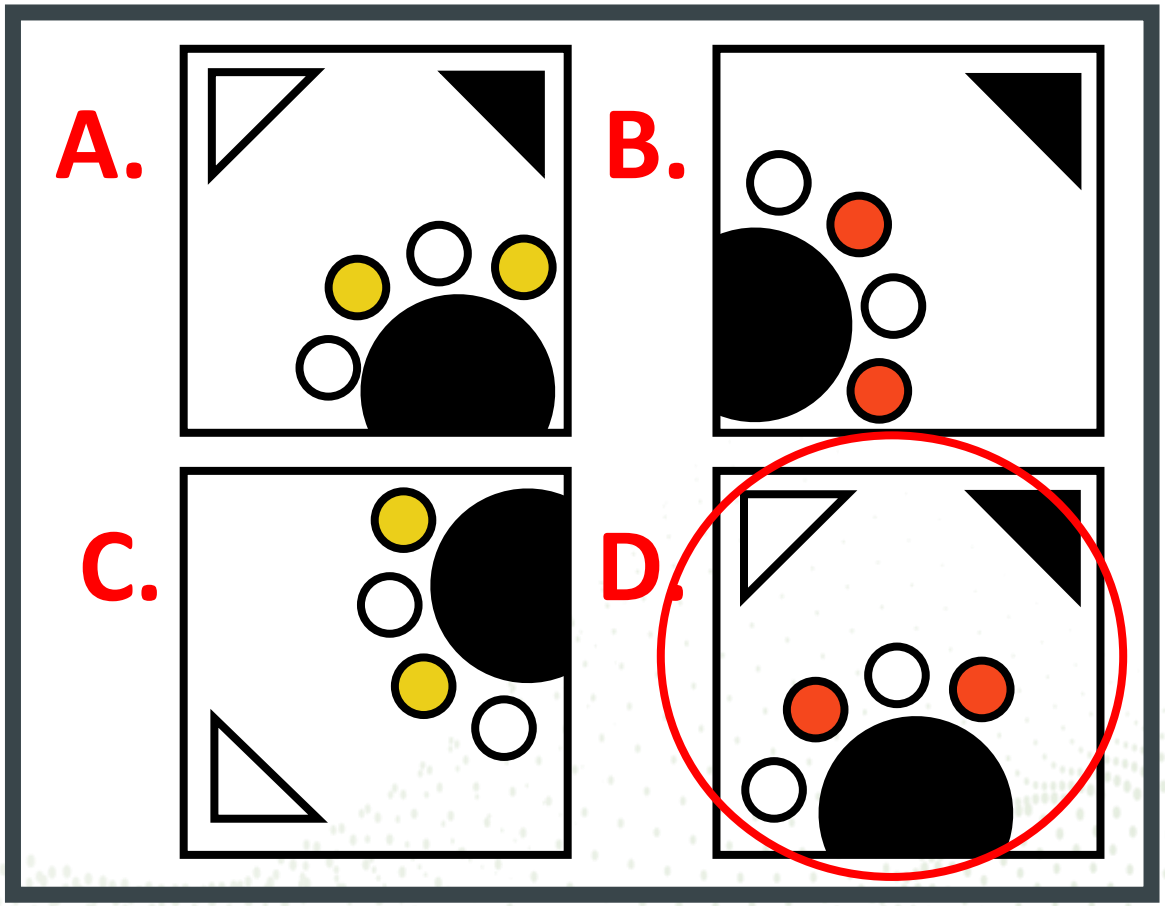
C. 

D. 

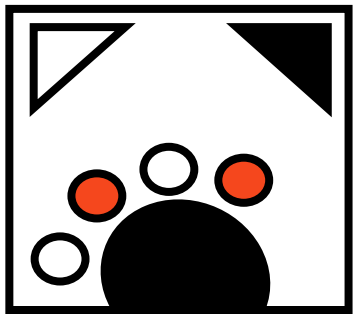
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Test Answer



- No patterns are shown in here but there are similarities in the following figure.
- **Pattern [1]:** All half circles are attached in the corners of the square. May it be in the right or Left.
- Figure D contains similar shapes, except it is placed in places not similar to the others. The half circle is in the center of the Lower part of the square.
- Therefore, the odd one out is figure D.
- **The correct answer is (D)**

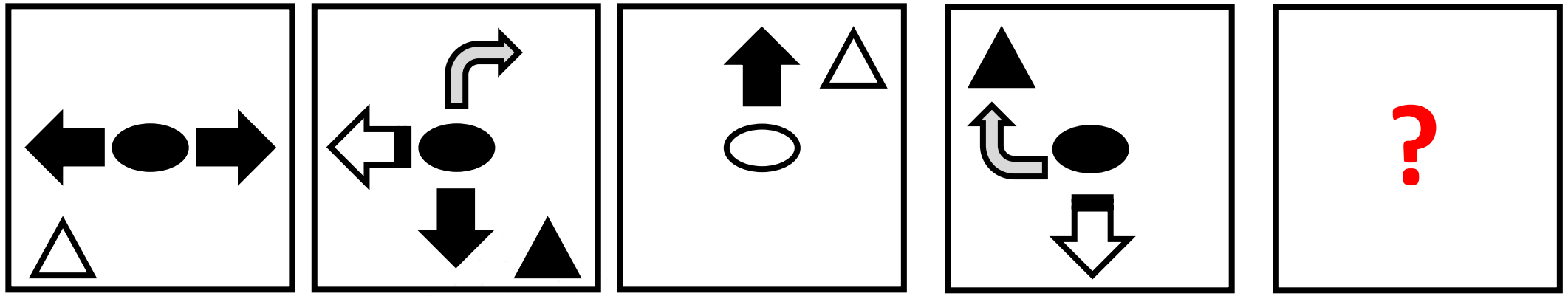


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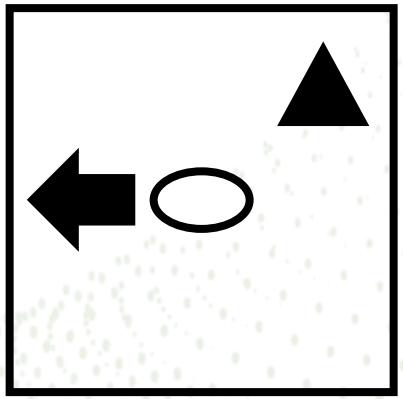
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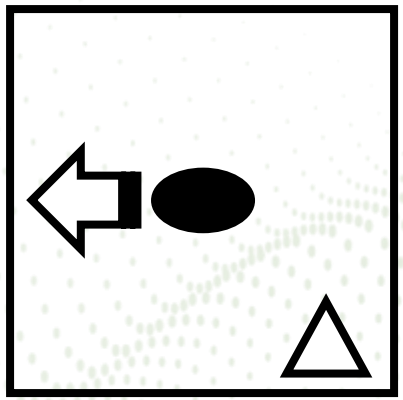
Which of the following squares comes next in the sequence?



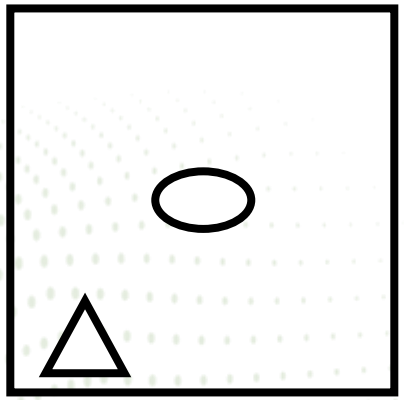
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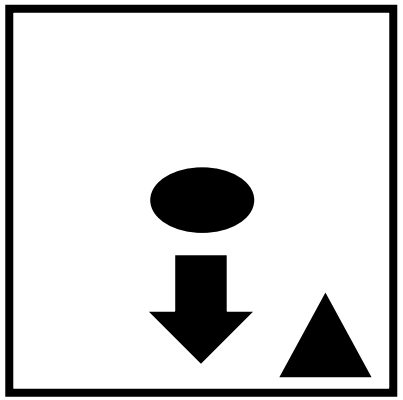
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C.



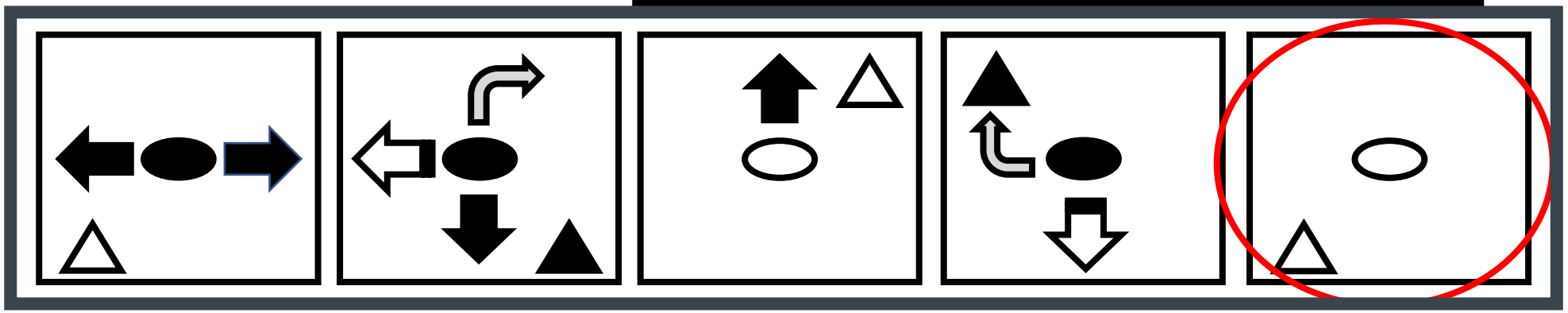
D.



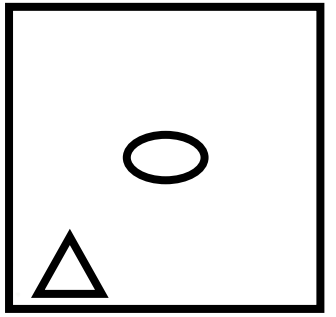
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Test Answer



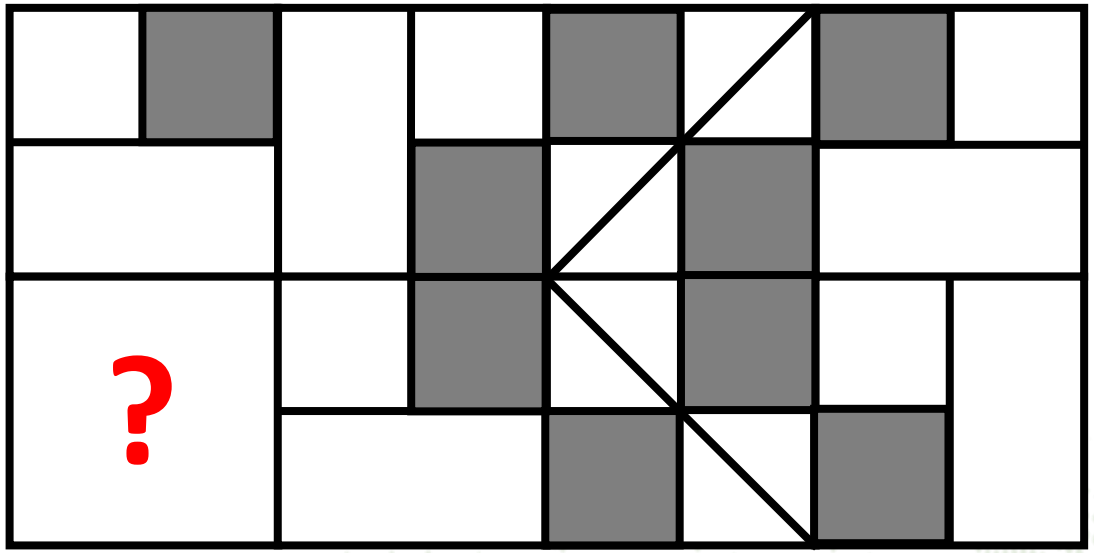
- Careful with the patterns because some might be open but confusing. Two sets of shapes are shown in the figure
- **Pattern [1]:** The circle remains in the center while alternately changing colors from showing black twice to color white.
- **Pattern [2]:** The triangle rotates clockwise throughout the square while also changing colors.
- **Pattern [3]:** Notice that in very square, a shape is being deducted from the rest.
- **Pattern [4]:** The shapes also rotates counter clockwise inside the square.
- Therefore, the next box should only contain a black oval in the middle and white triangle in the lower left corner.
- **The correct answer is (C)**



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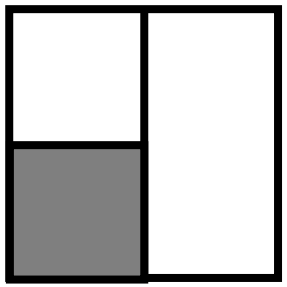
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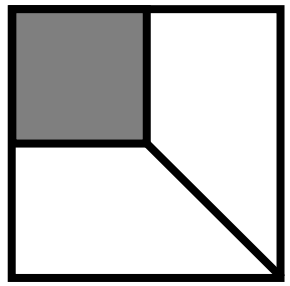


Which of the following figures completes the figure?

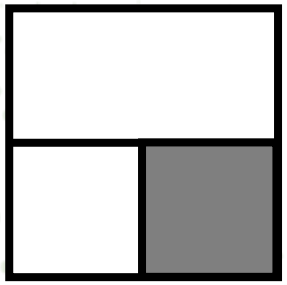
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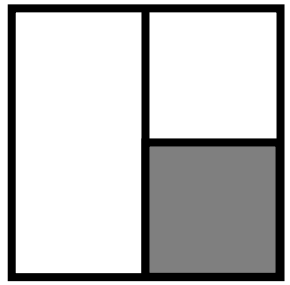
C.



B.



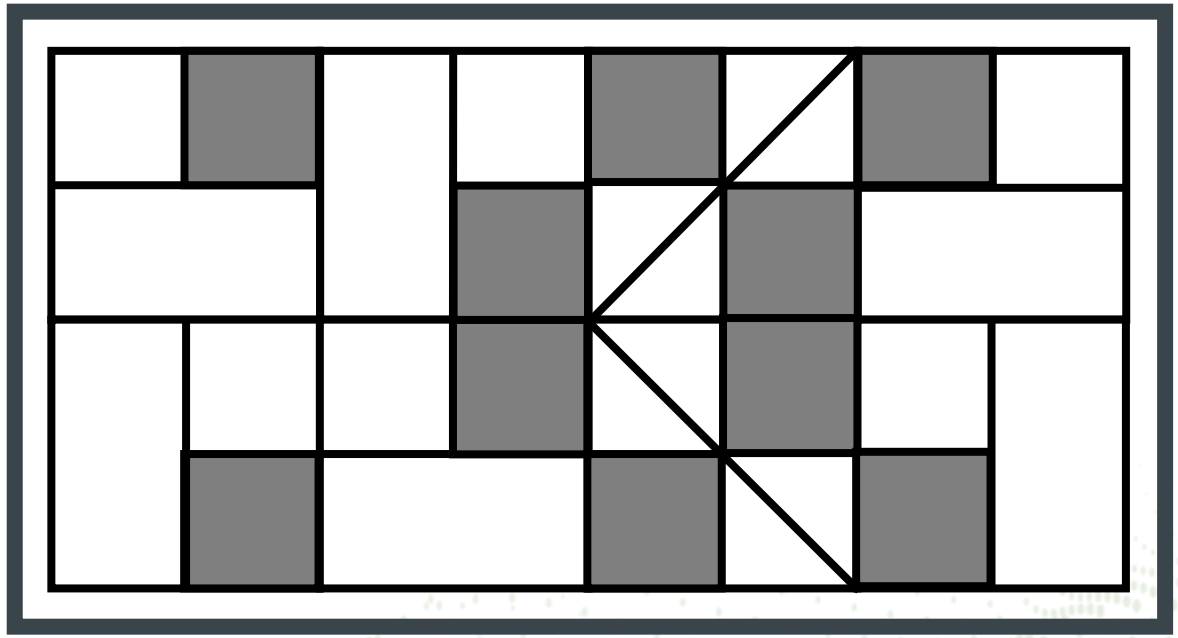
D.



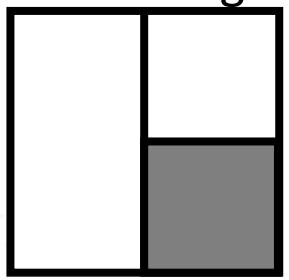
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Test Answer



- There are three patterns present in this sequence.
- **Pattern [1]:** The straight lines exchanges from lying straight line to standing straight line and to a slant line.
- **Pattern [2]:** The shaded part of the square follows the sequence right, right, a combination of right and left, and left, left. For the position, always start in the upper portion of the square.
- **Pattern [3]:** To know which part will be shaded next, notice that in the combination of both right and left, there is a hint given. It is the combination of both the previous and the next part.
- Therefore, the next part should have a square shaded part on the lower right and a standing straight line.
- **The correct answer is (D)**

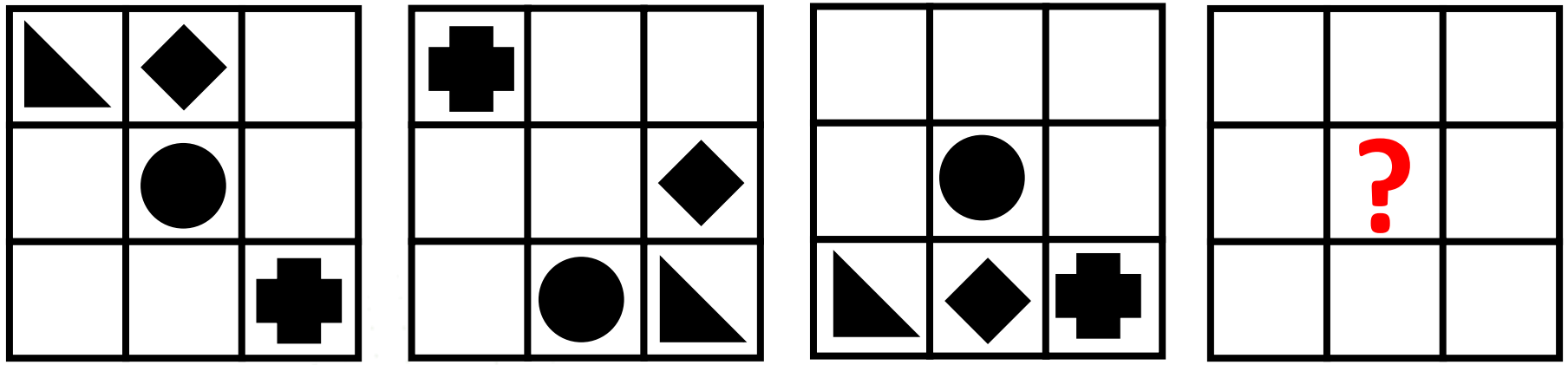


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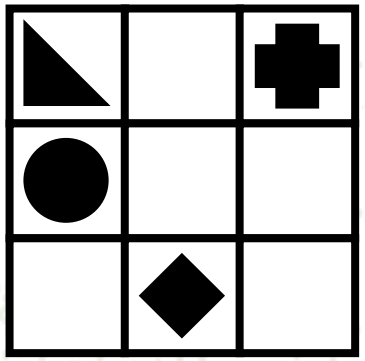
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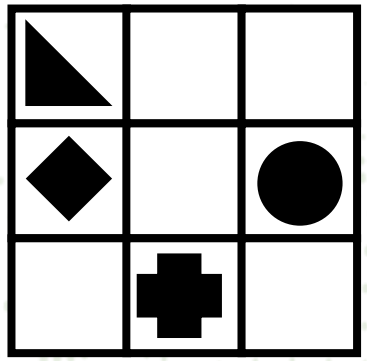
Which of the following figures comes next in the sequence?



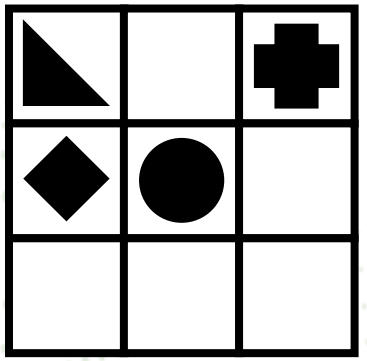
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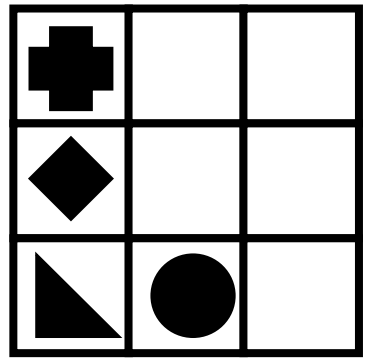
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C.



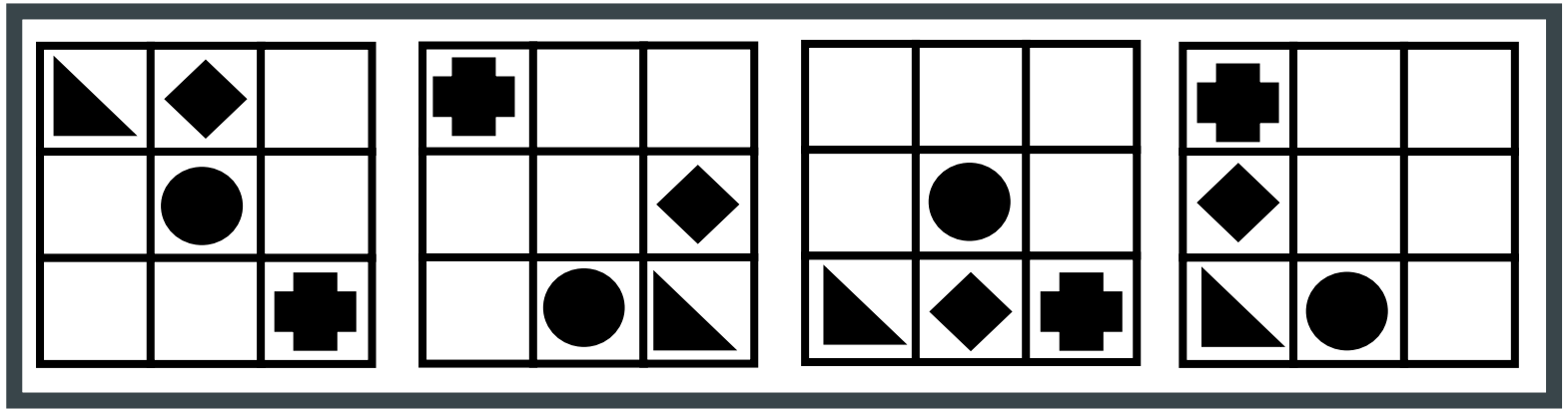
D.



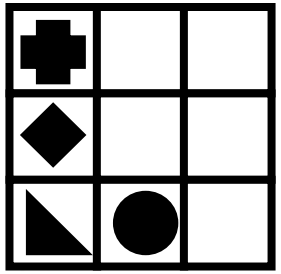
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Test Answer



- A series of patterns are happening in here.
- **Pattern [1]:** The Diamond shape diagonally rotates clockwise.
- **Pattern [2]:** The shape circle is alternately changing it position by being in the center and in the bottom part.
- **Pattern [3]:** The cross shape rotates counterclockwise and is skipping 3 spaces at a time.
- **Pattern [4]:** The triangle is dependent in the diamond. It follows a pattern of being in the left and below the diamond shape.
- Therefore, the next box should have diamond shape in the left, a circle at the bottom, a cross at the left corner, and a triangle at below the diamond shape.
- **The correct answer is (D)**

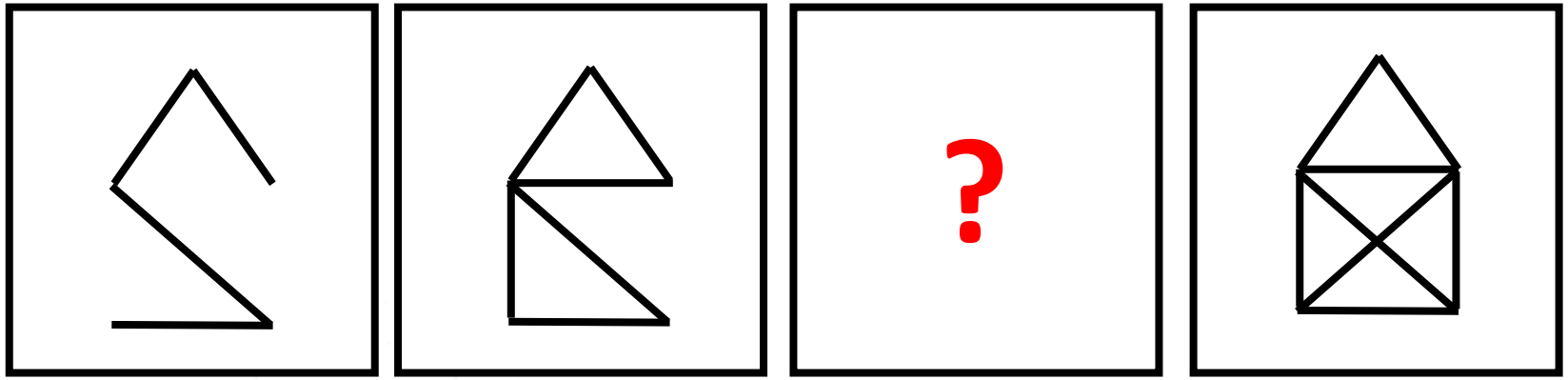


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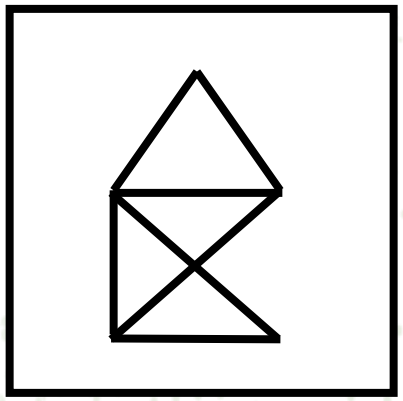
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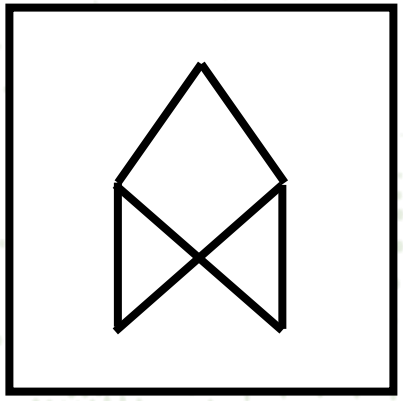
Which of the following figures comes next in the sequence?



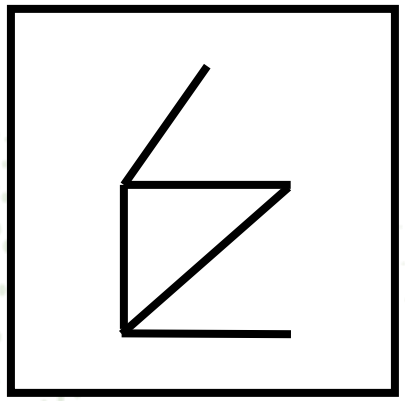
A.



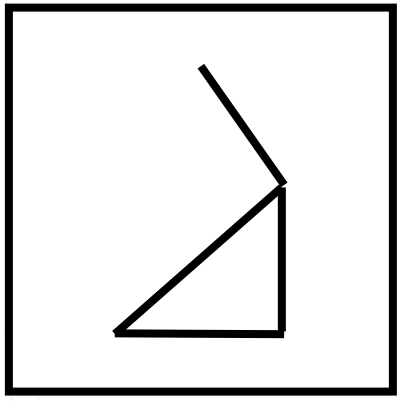
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C.



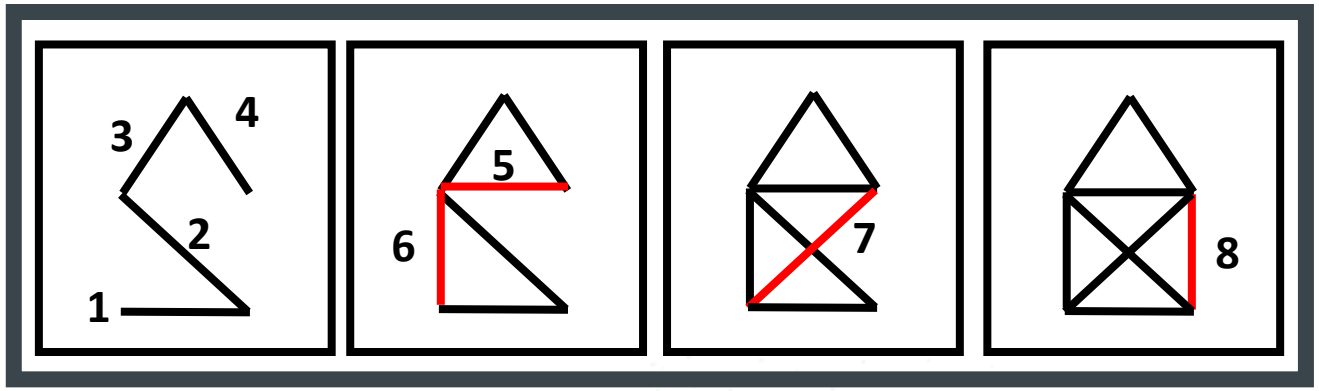
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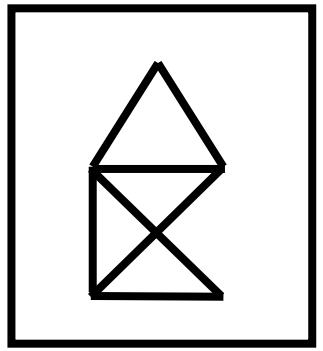
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Test Answer



- This is a sequence of drawing a miniature house using all straight lines. Note: You can trace this continuously until the house is built
- **Pattern [1]:** The lines should be all connected to form the last figure.
- Each lines are numbered for proper understanding of the sequence.
- Therefore, the next box should contain the next in sequence that could complete the shape.

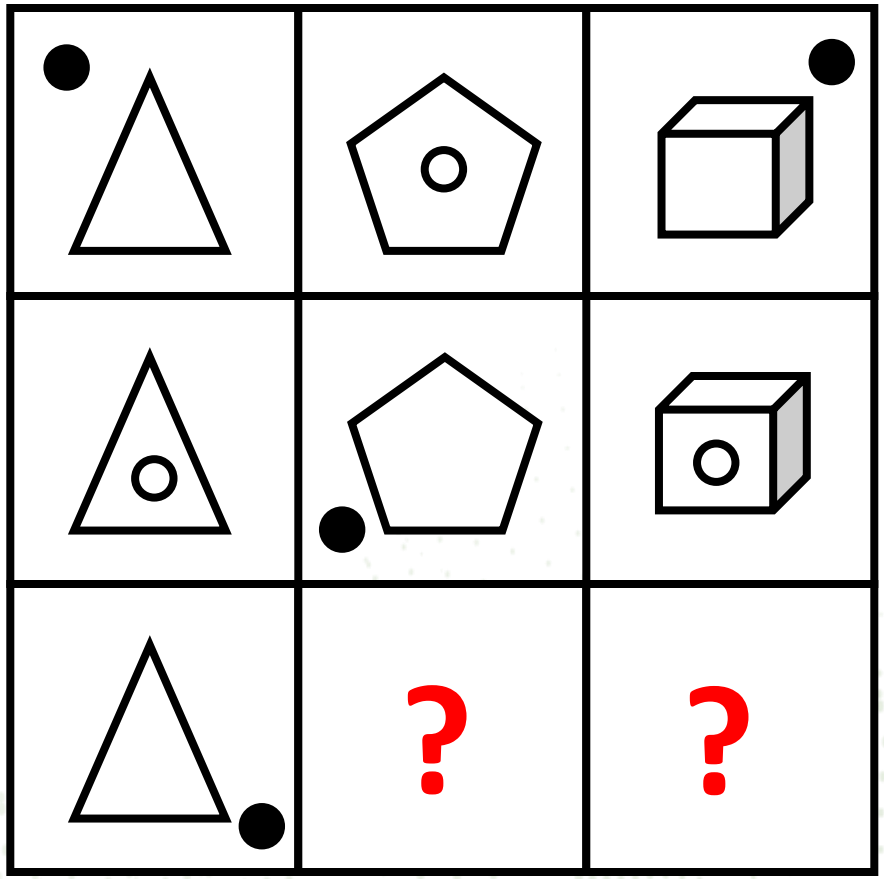
- **The correct answer is (A)**



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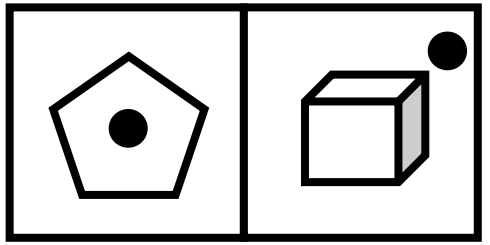
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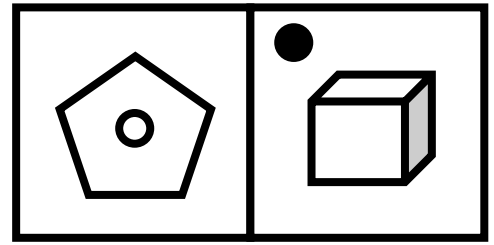


Which of the following completes the figure?

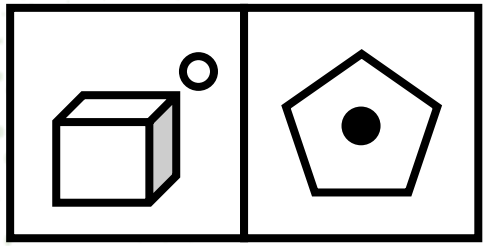
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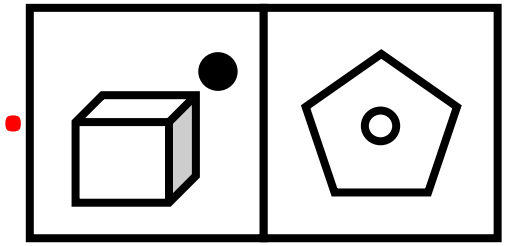
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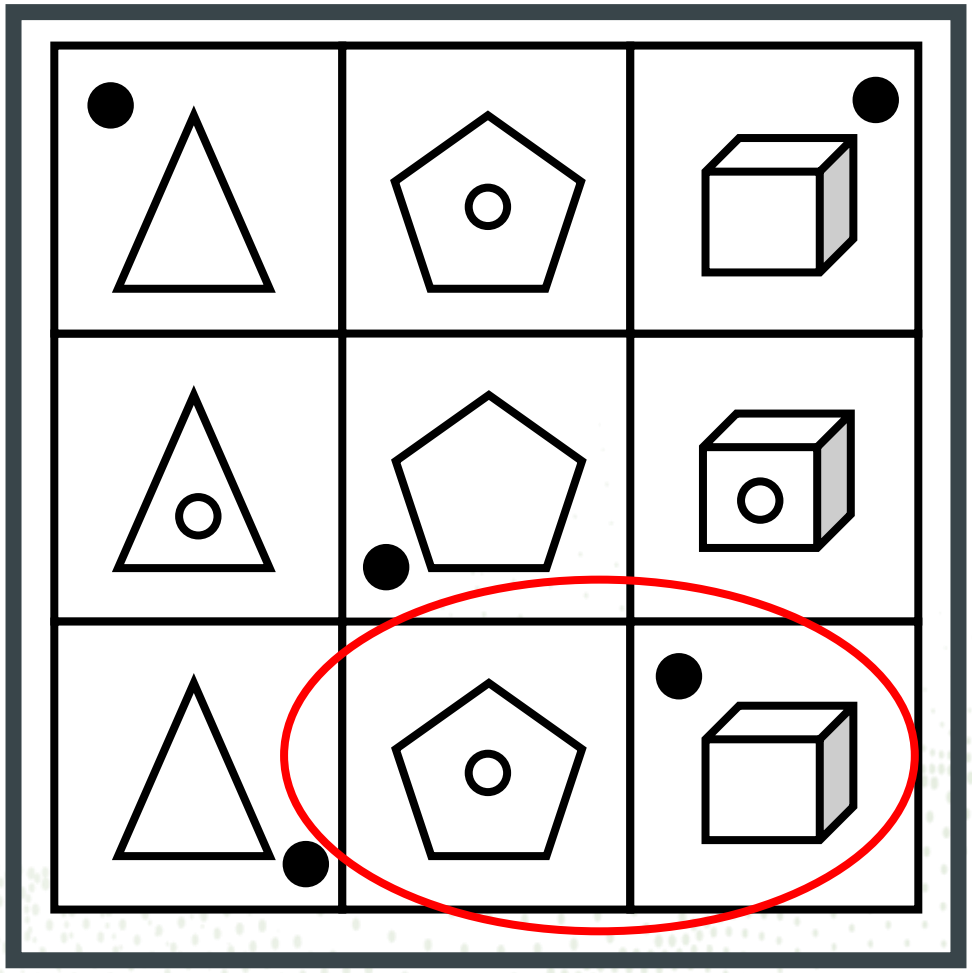
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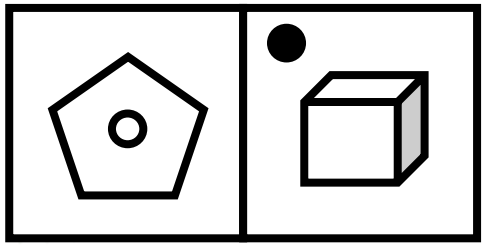
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Test Answer



- A series of pattern is present in this figure.
- **Pattern [1]:** The shapes are in the order of 3, 6, 9 Lines.
- **Pattern [2]:** The small circle alternately changes from being inside and outside of the shape. Note that all circles inside are in white while the ones outside are in black.
- **Pattern [3]:** The circles in the outside alternately places in the top left & right and lower left & right.
- Therefore, the first contains a pentagon with a circle inside and a cube also with a circle placed in the left corner.

- **The correct answer is (C)**

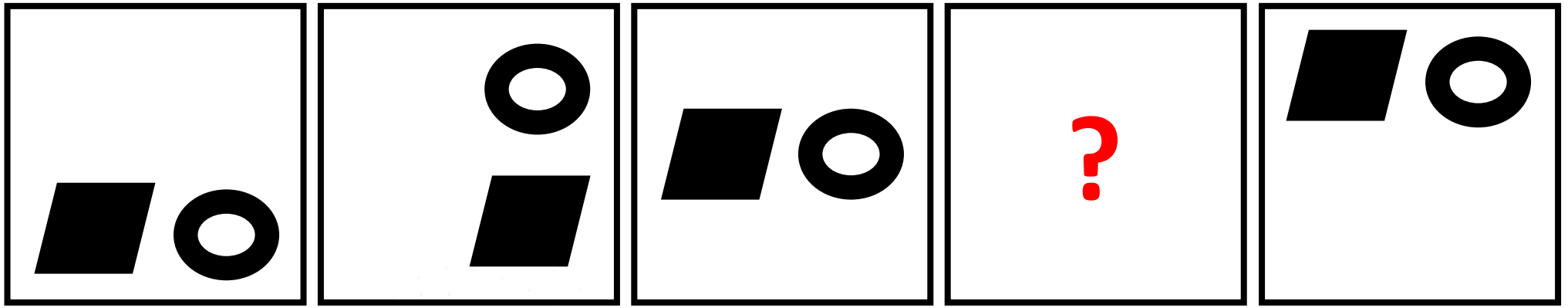


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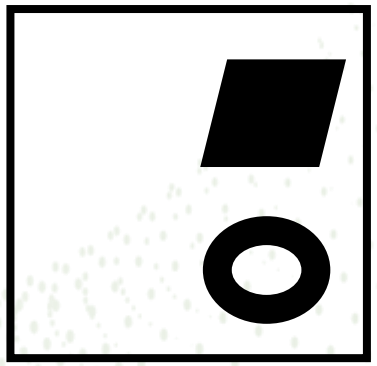
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Test Question

Which of the following figures comes next in the sequence?



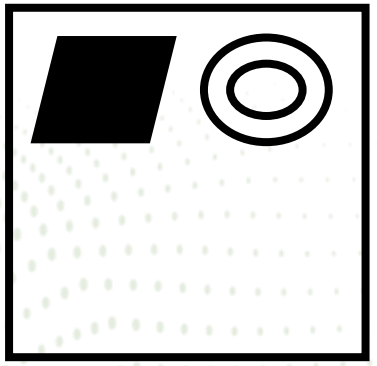
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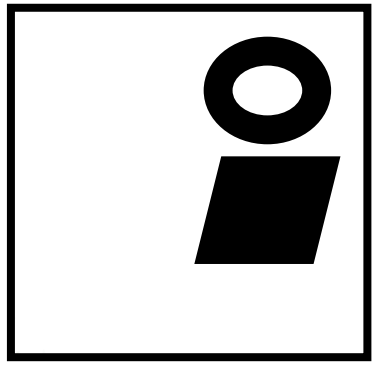
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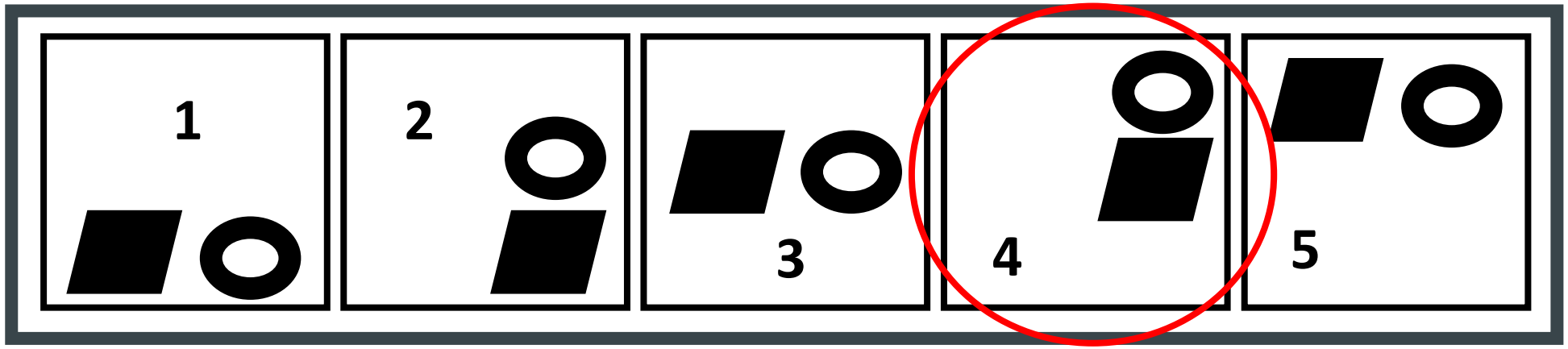
D.



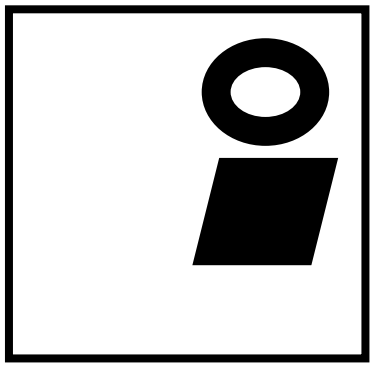
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Test Answer



- Take note of the placing of each shape.
- Each box contains a rhombus and a circle that are both black
- **Pattern [1]:** Box 1, 3, and 5 have both shapes in the order rhombus and circle while in 2 and 5, the circle is always at the top of the rhombus.
- Therefore, the next box should have both shapes wherein the circle is at the top of rhombus.
- **The correct answer is (D)**

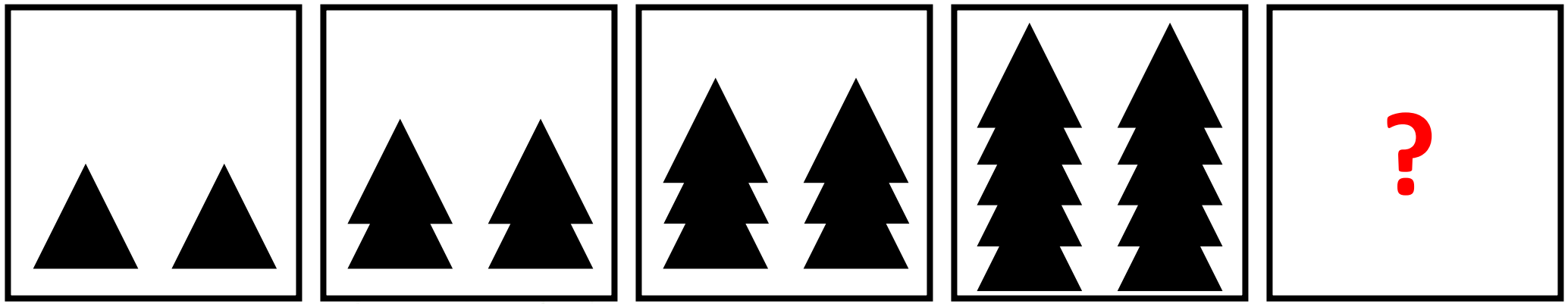


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Test Question

How many stacked-up triangles should be present in the next box?

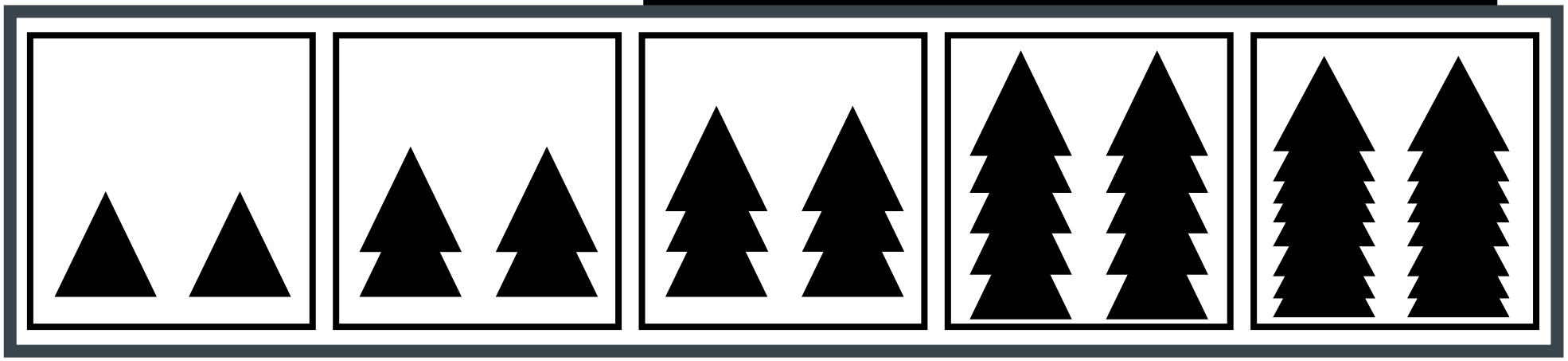


A. 10 **B.** 12 **C.** 14 **D.** 16

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Test Answer



- Logically think of a pattern to solve this question.
- **Pattern [1]:** Each box contains triangles that is inclemently increasing.
- **Pattern [2]:** To get the next box, the triangles in the previous 2 boxes should be added.

  (2 + 4 = 6 Triangles)

- If applied in the last box,

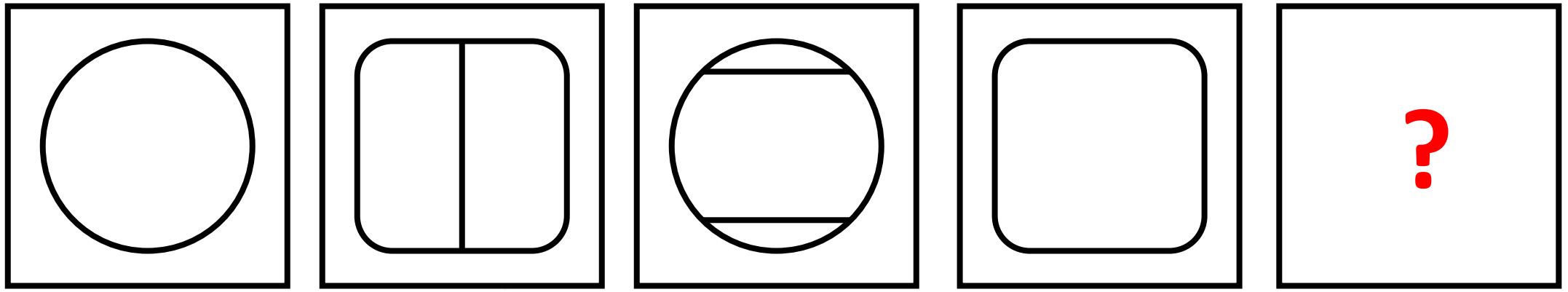
  6 + 10 = 16 Triangles
- Therefore, the next box should contain 16 stacked-up triangles.
- **The correct answer is (D) 16**

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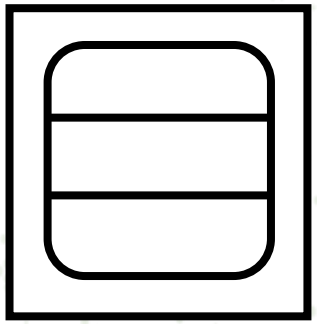
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Test Question

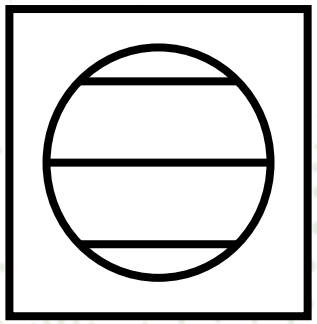
Which of the following figures comes next in the sequence?



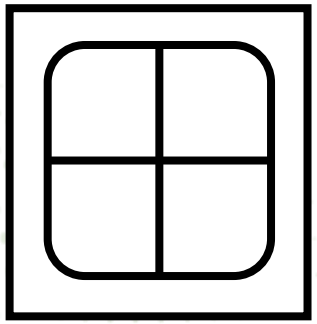
A.



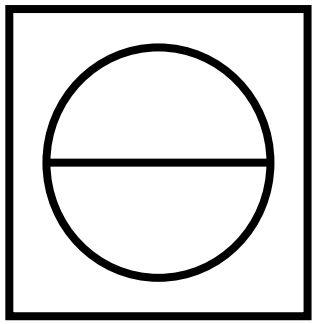
B.



C.



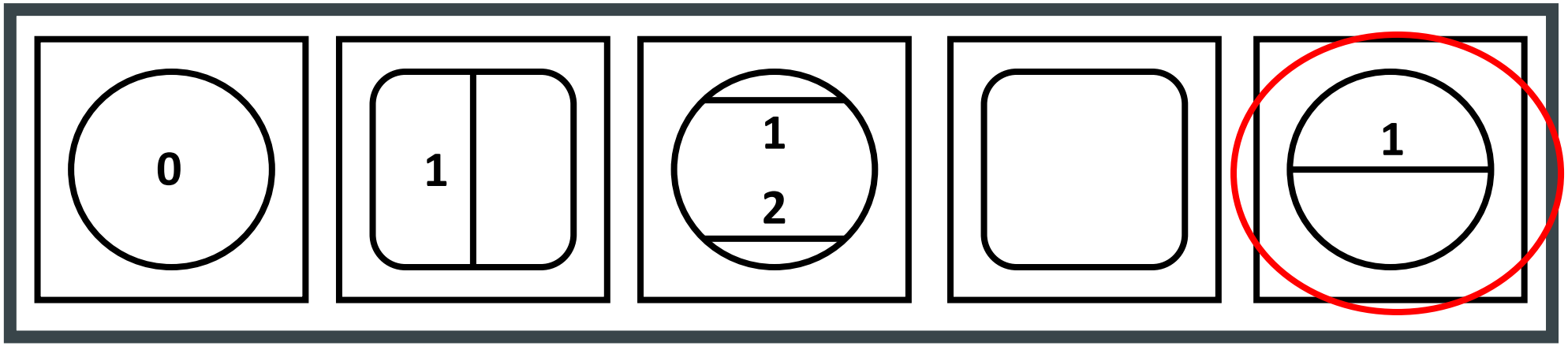
D.



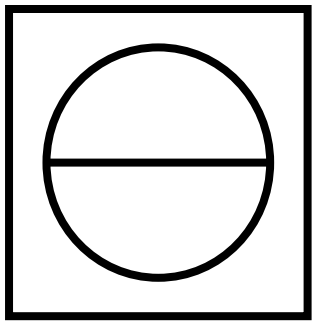
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Test Answer



- There are two patterns present in this sequence.
- **Pattern [1]:** An alternating circle and rounded squares can be seen in the figure.
- **Pattern [2]:** The lines present inside the shapes are increasing by 1 in each shape.
- **Pattern [3]:** Upon reaching 2 lines, it should be back to 0.
- Therefore, the last box have a circle with 1 lines dividing the shape.
- **The correct answer is (D)**

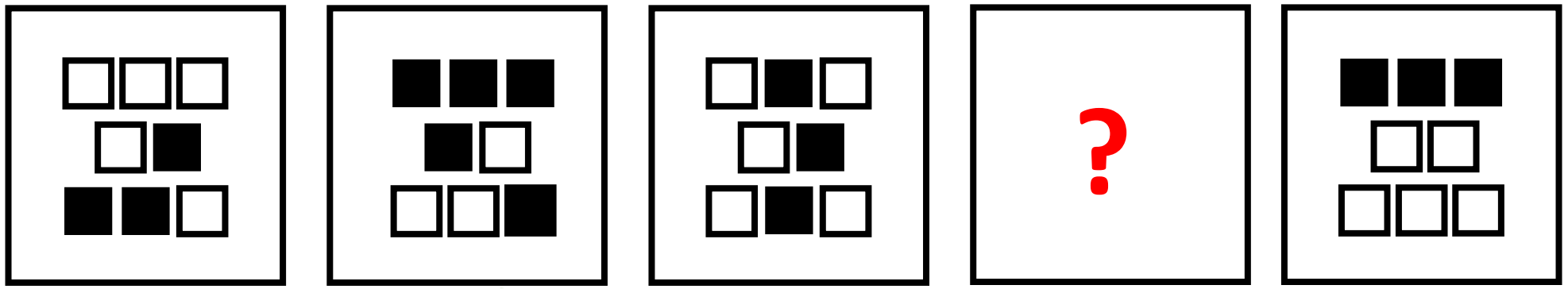


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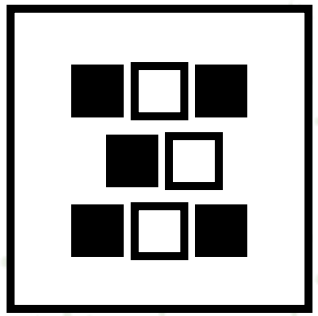
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Test Question

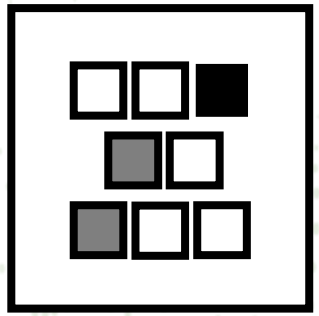
Which of the following figures comes next in the sequence?



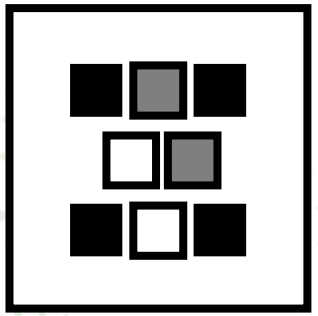
A.



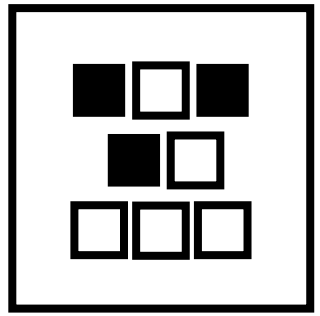
B.



C.



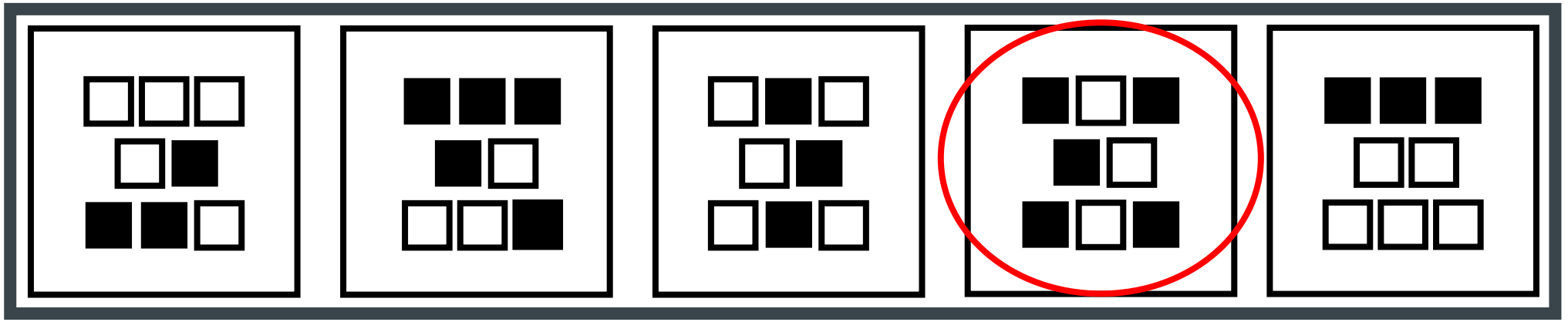
D.



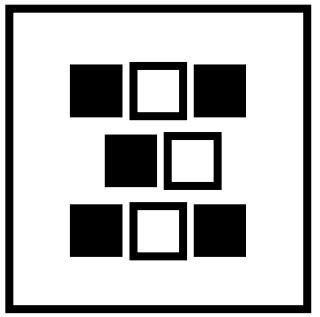
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Test Answer



- A simple pattern can be seen in this figure.
- **Pattern [1]:** In each box, there are two sets of alternating figure. Only black and white colors may be present in the sequence.
- **Pattern [2]:** There must be a ratio of 3:5.
- **Pattern [3]:** The color of the next box can be determined by the previous box.
- Therefore, the next box should contain the same ratio that also mirrors the previous box.
- **The correct answer is (A)**

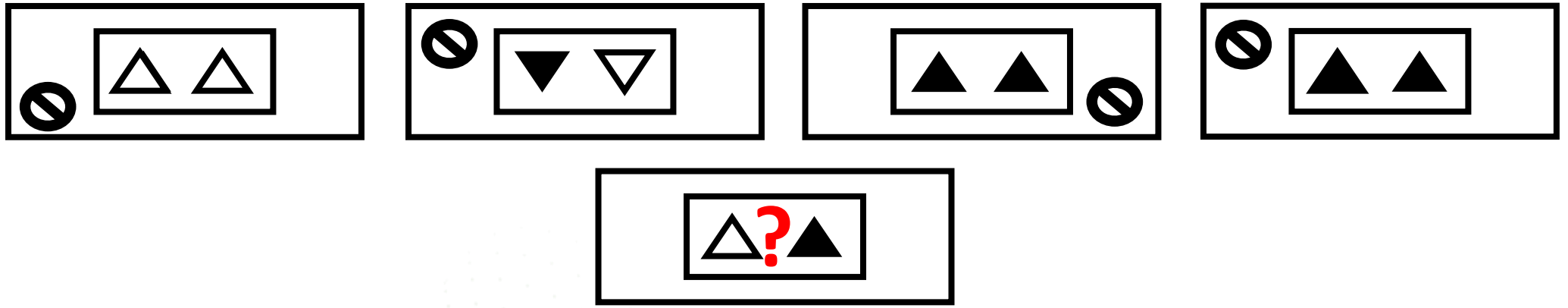


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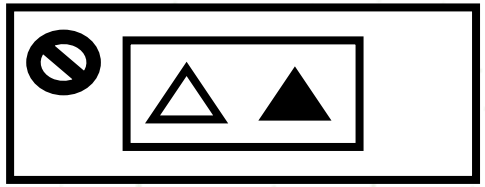
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Test Question

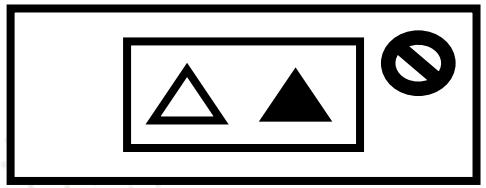
In the last figure, where should the stop sign be at?



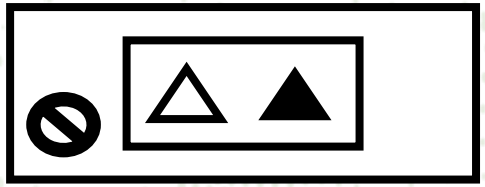
A.



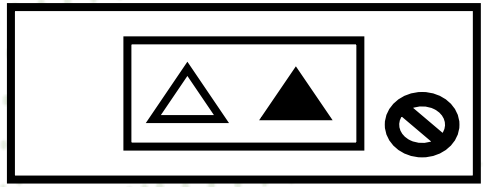
C.



B.



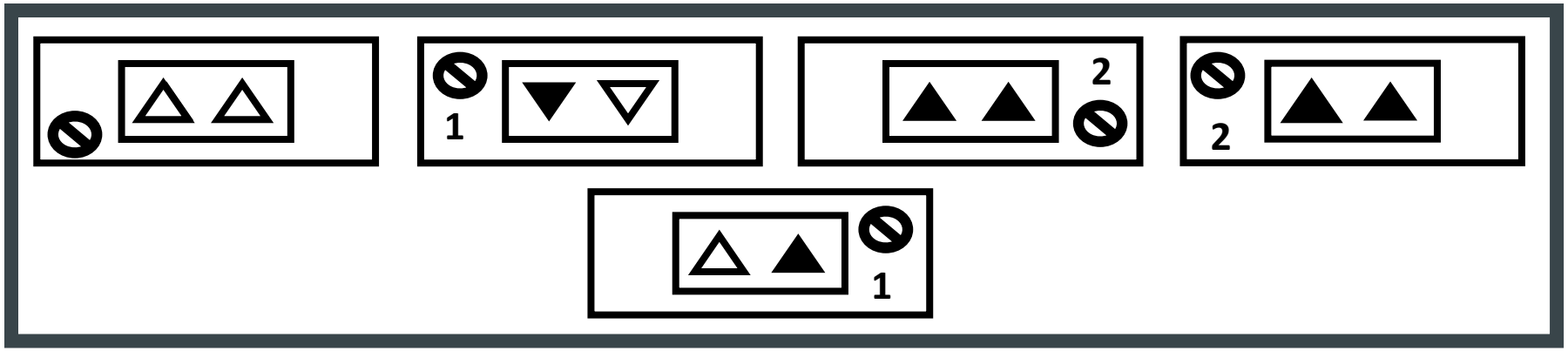
D.



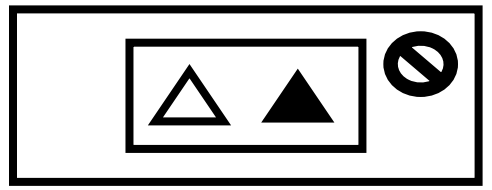
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Test Answer



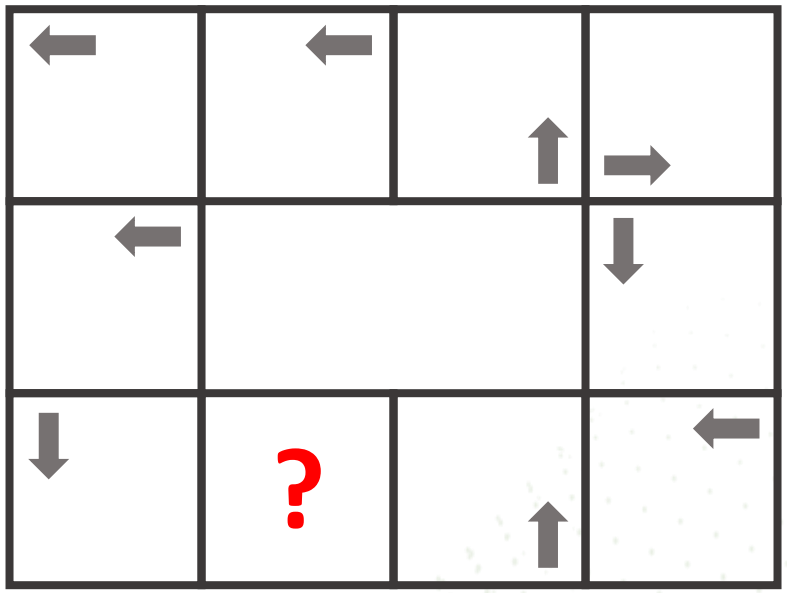
- The only pattern to take note in this is the placement of the stop sign.
- **Pattern [1]:** The sign rotates clockwise and in accordance to how many shaded triangles are there.
- If one triangle is shaded, the sign moves one time. If two triangle, a movement of two will be done.
- Therefore, the next rectangle should have the stop sign at the upper right corner since only one triangle is in black. That also means the movement will only happen once.
- **The correct answer is (C)**



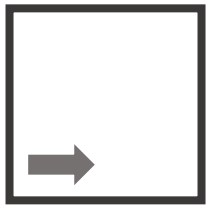
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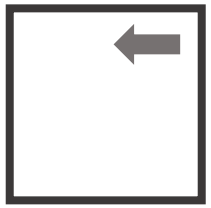
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Test Question

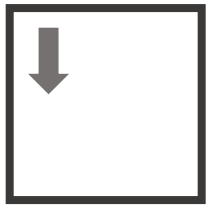


Which of the following comes next in the sequence?

A. 

C. 

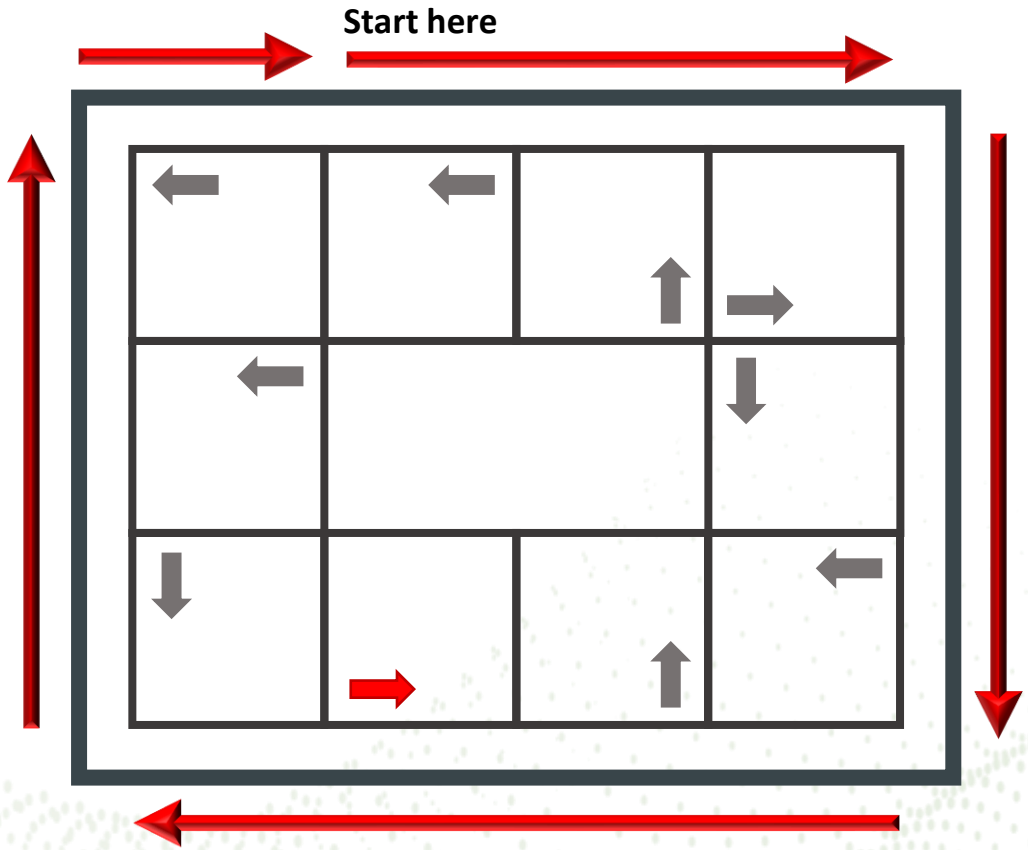
B. 

D. 

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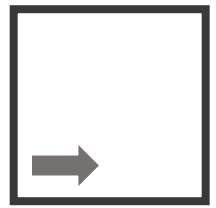
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Test Answer



- Follow arrows from starting point for general order
- The arrows inside the squares are rotating clockwise.
- The arrowhead is always pointing on where it was located in the previous box

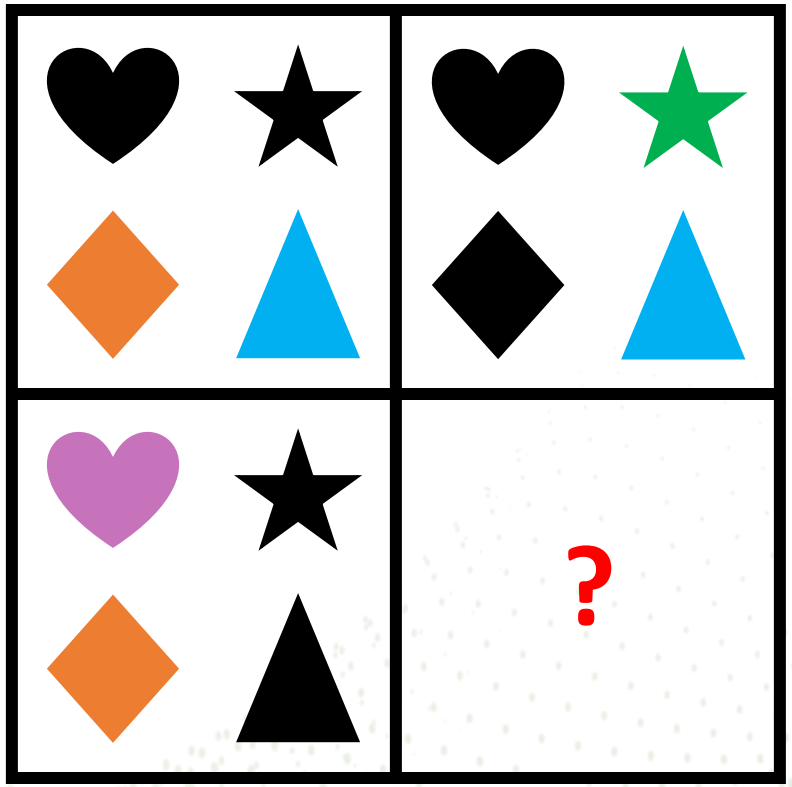
- The correct answer is (A)



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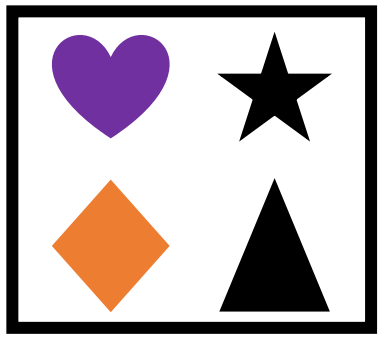
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Test Question

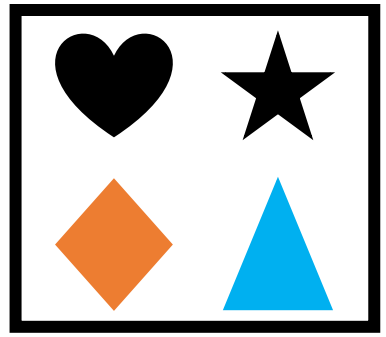


Which of the following completes the missing part?

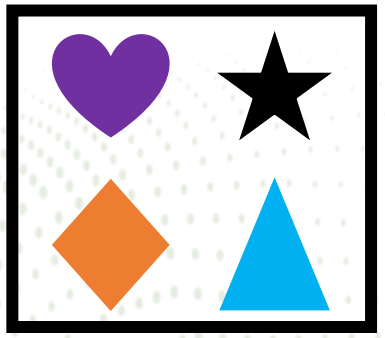
A.



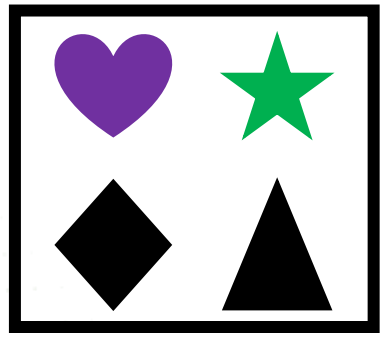
C.



B.



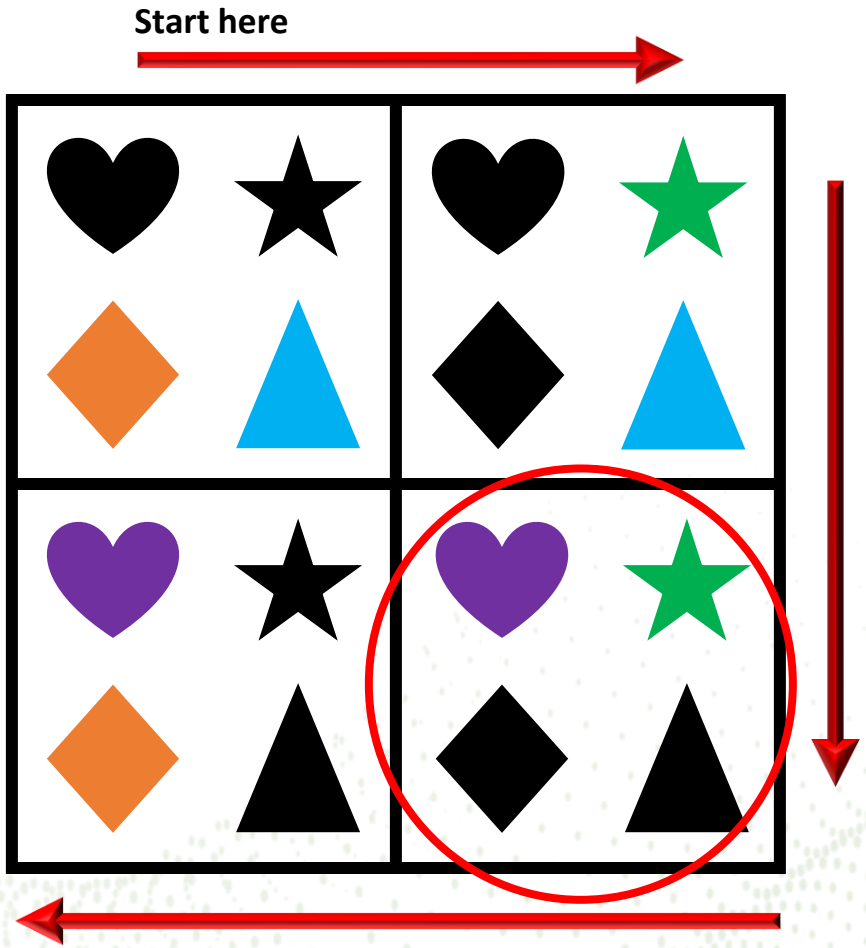
D.



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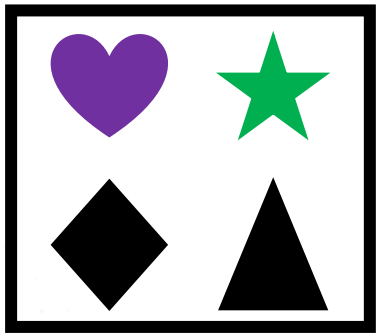
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Test Answer



- Always look for patterns
- There are 4 shapes and each has a unique color.
- Color black rotates inside the square, but same shapes still stay in their original
- Flow starts in the upper left corner and flows clockwise
- position.
- The rotation of black inside the small squares is done counterclockwise

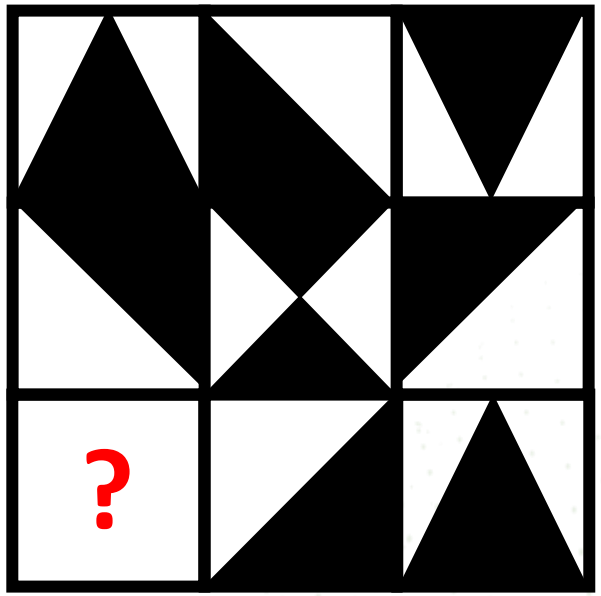
- The correct answer is (D)



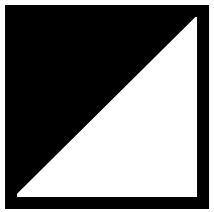
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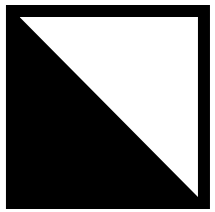
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Test Question

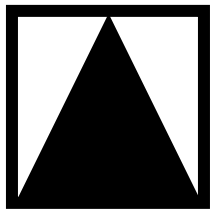


Determine which of the following is the missing

A. 

C. 

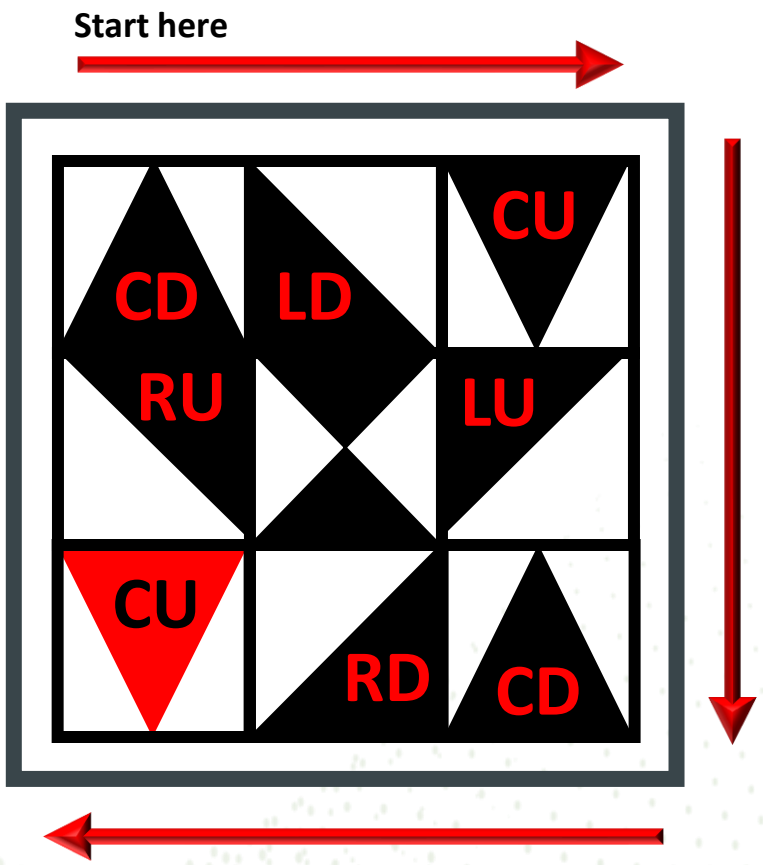
B. 

D. 

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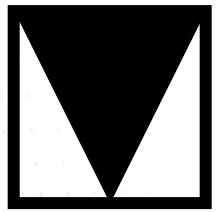
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Test Answer



- There are two patterns: [1] flow of small squares around the middle and [2] flow of triangles inside the small squares
- Pattern [1] rotates clockwise and starts in the upper left corner around sand clock in the middle (sand clock doesn't participate in the pattern).
- Pattern [2] is determined based on where triangle touches the lines of the small square
- The pattern [2] is: Center Down (CD), Left Down (LD), Center Up (CU), Left Up (LU), Center Down (CD) etc.

- The correct answer is (B)

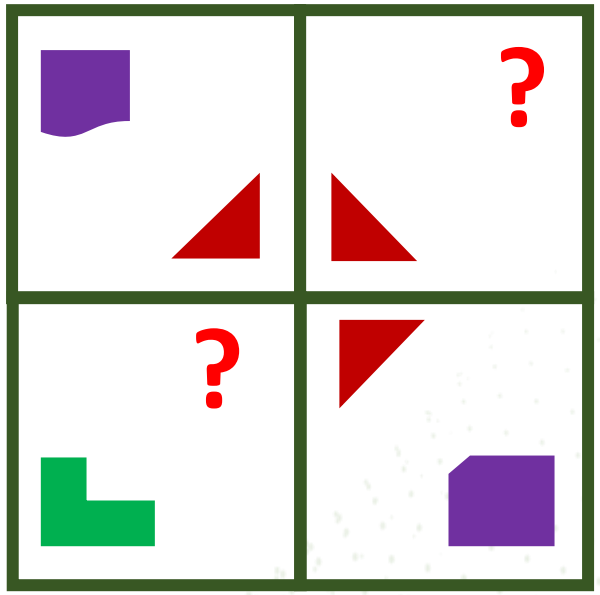


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Test Question

Determine the missing shapes inside the figure to complete a sequence.



A. 

B. 

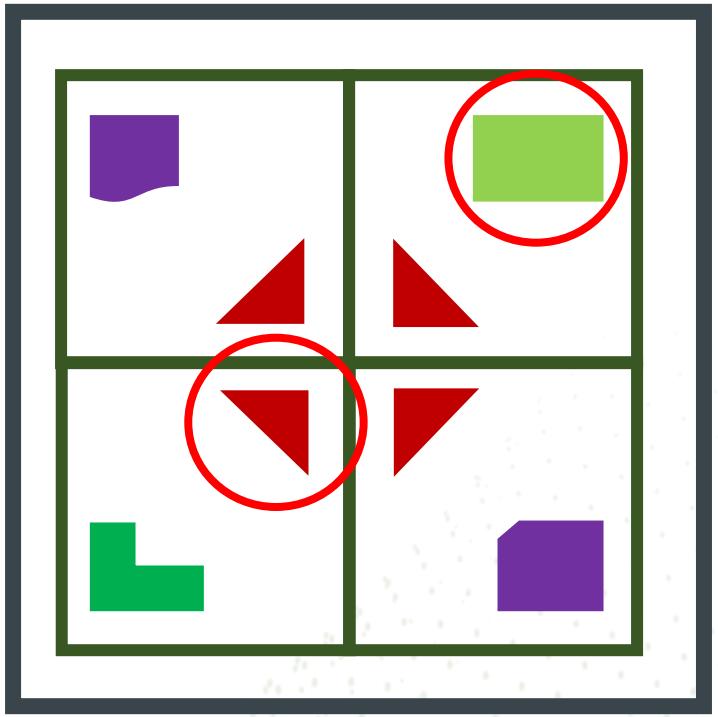
C. 

D. 

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Test Answer



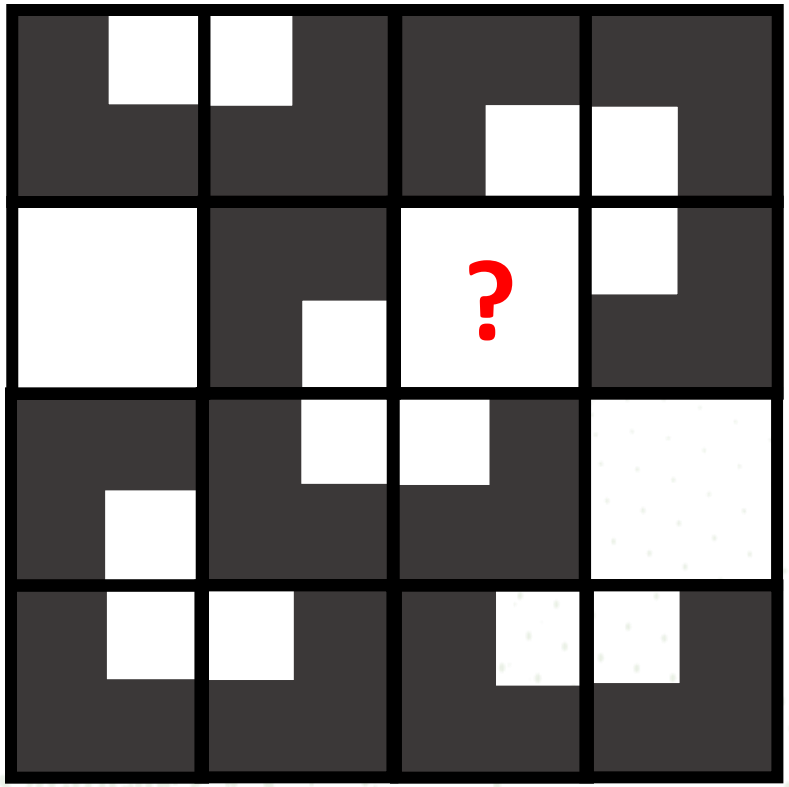
- Always look for patterns.
- There are two patterns present [1] diamond pattern in the middle and [2] shapes on the outside of the smaller squares are unique. Outside shape's corner is always aligned with the corner of the smaller square as well.
- The two missing shapes are having similarities with the ones already present inside the box.
- [1] Upon combining, all triangles in the center form a diamond shape. Selected triangle should match the color
- [2] The missing shape in the upper right corner should complement the shapes with corners that can be exactly placed in the box.

- The correct answer is (D)  & 

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Test Question

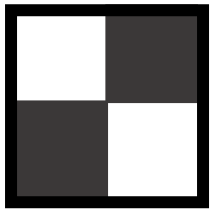


Which of the following completes missing part of the square?

A. 

B. 

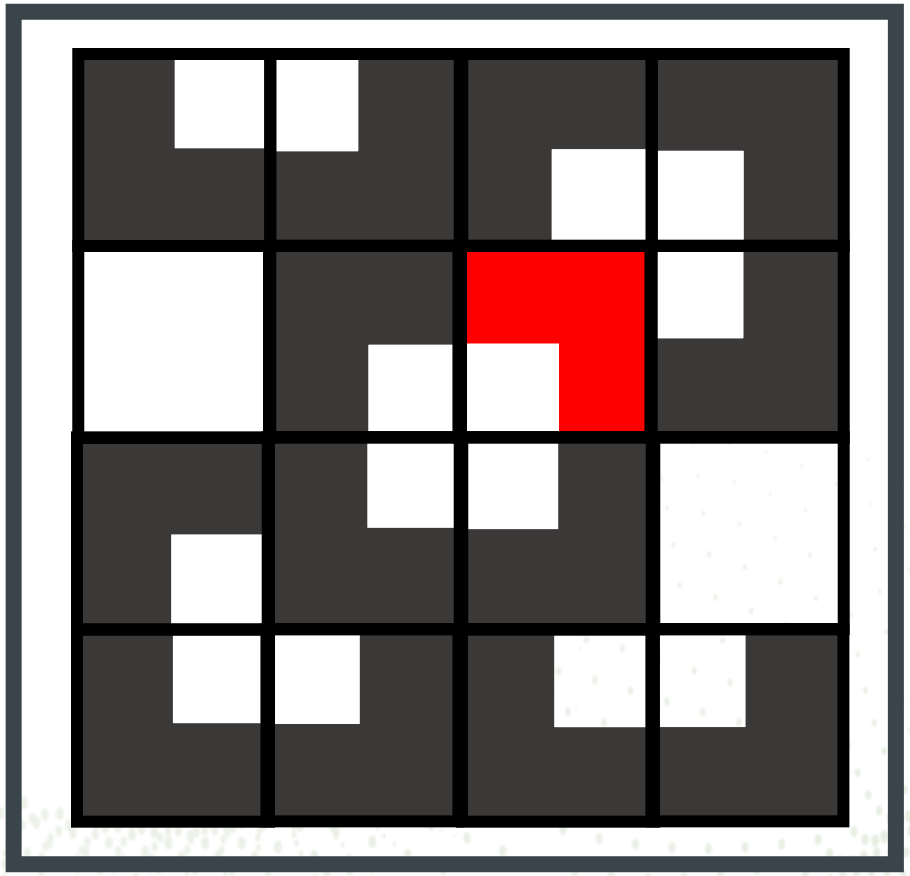
C. 

D. 

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Test Answer



- Always look for patterns
- Two white boxes are designed to confuse you
- Lower left part of the large square only has three white space in the form of “L” shape.
- It is also the same with the upper left and lower right of the square.
- Therefore, the missing part consists of a shaded part that will complete the square in the center.

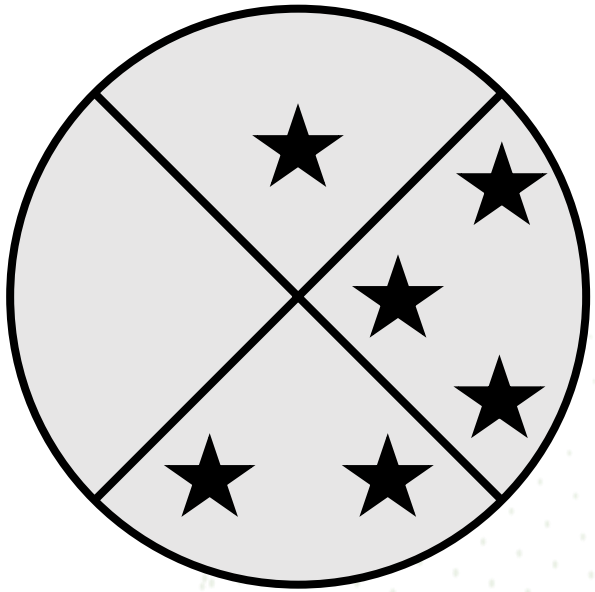
- The correct answer is (A)



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Test Question



By analyzing the figure using a mathematic operation, how many stars should be present in the missing part of the circle?

A. 2

C. 4

B. 3

D. 5

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Test Answer



- Always look for patterns
- To find out the missing part of the circle, add the stars in the left and right of the blank part.
- This is the same with the method used for the opposite side of the circle.
- Therefore,

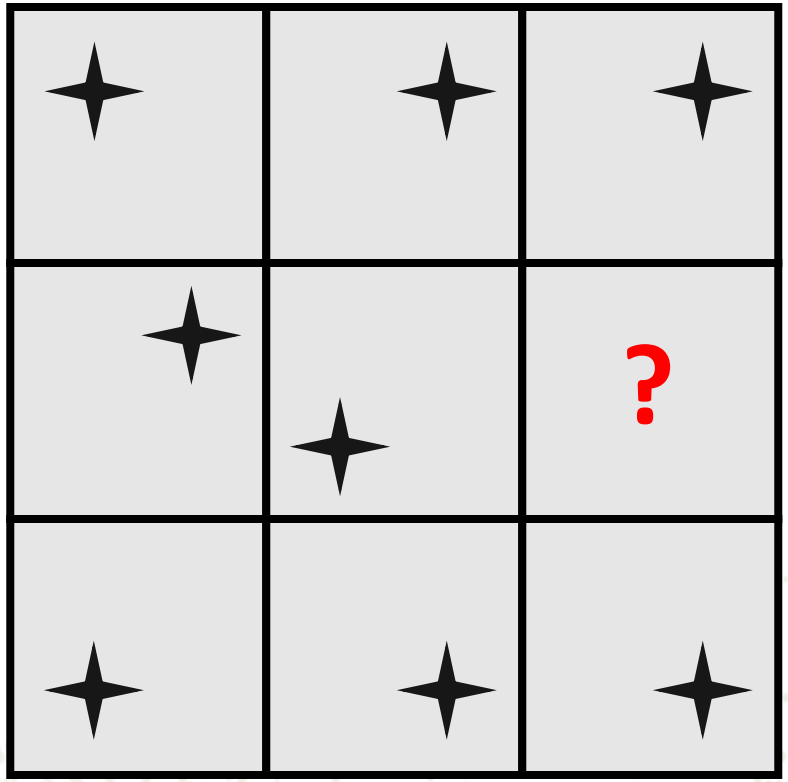
  1 star + 2 stars = 3 Stars

- The correct answer is (B) 3

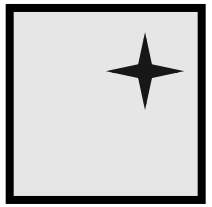
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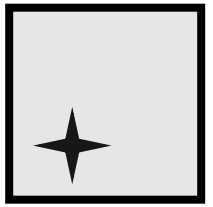
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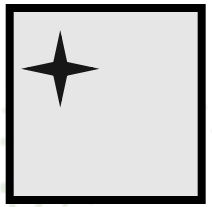
Test Question

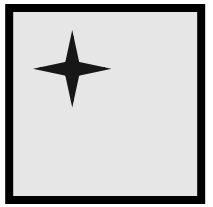


Which of the following completes the missing part of the square?

A. 

C. 

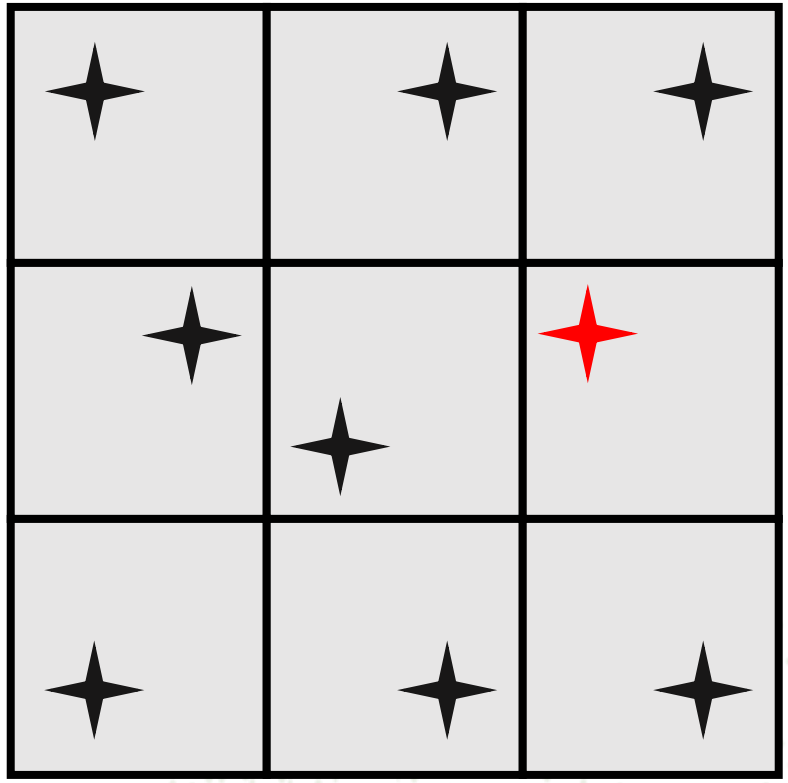
B. 

D. 

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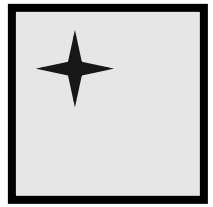
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Test Answer



- Always look for patterns
- The stars inside the box follows a pattern.
- Top and bottom rows follow similar pattern and pattern for the middle row is different
- Notice that in the first row and last row, stars are all placed in the upper and lower sections.
- Middle row stars are positioned on the opposite side of stars placed on other rows.
- Middle row stars also follow a pattern of upper, lower and upper
- Therefore the missing star is placed on the opposite side of the star in the first and last row at the upper left corner.

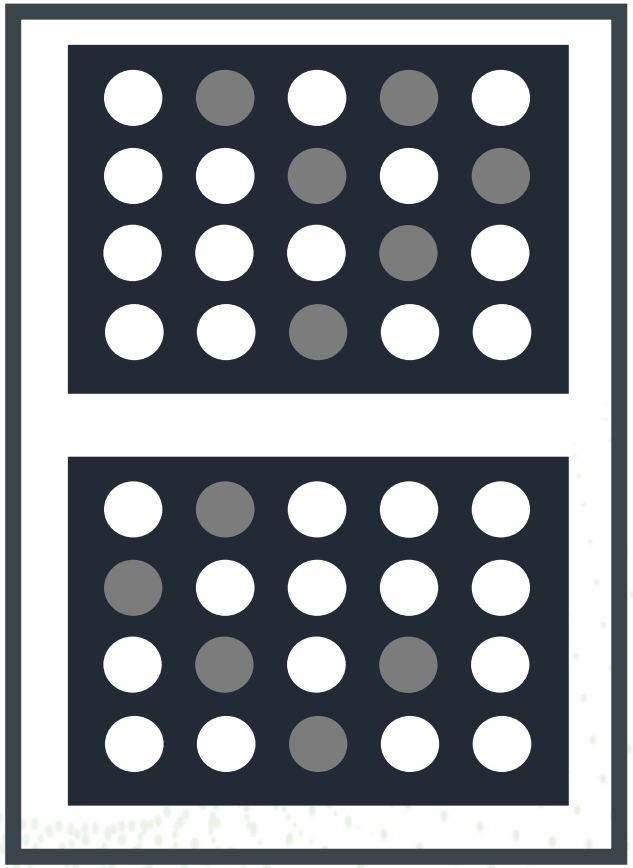
- The correct answer is (D)



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Test Question



Which of the following is formed when the shaded parts of the blocks are combined?

A. Number

C. Letter

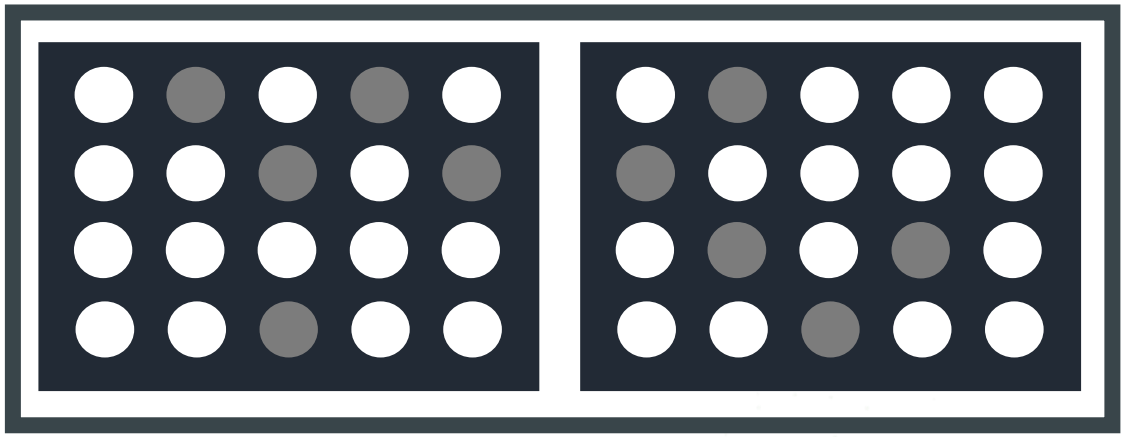
B. Shape

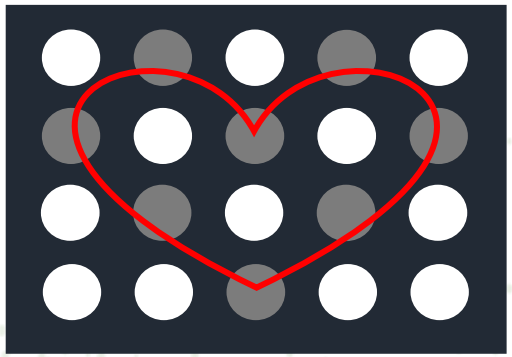
D. Chart

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Test Answer





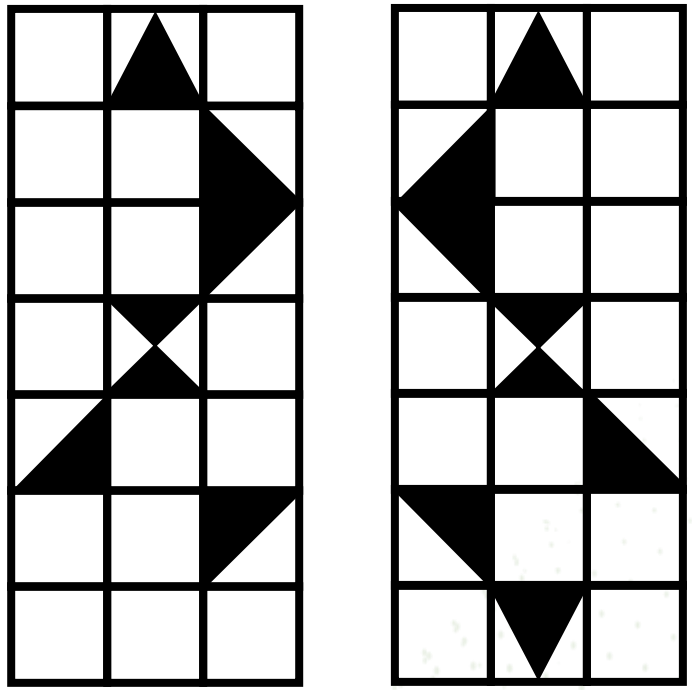
- Imagine a separate block and put all the shaded parts together.
- Upon merging of 2 blocks a “heart” is formed.
- The Heart depicted is a shape.

- The correct answer is (B) Shape

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Test Question



What figure can be visualized upon combining the two rectangles?

A. Graph

B. Shape

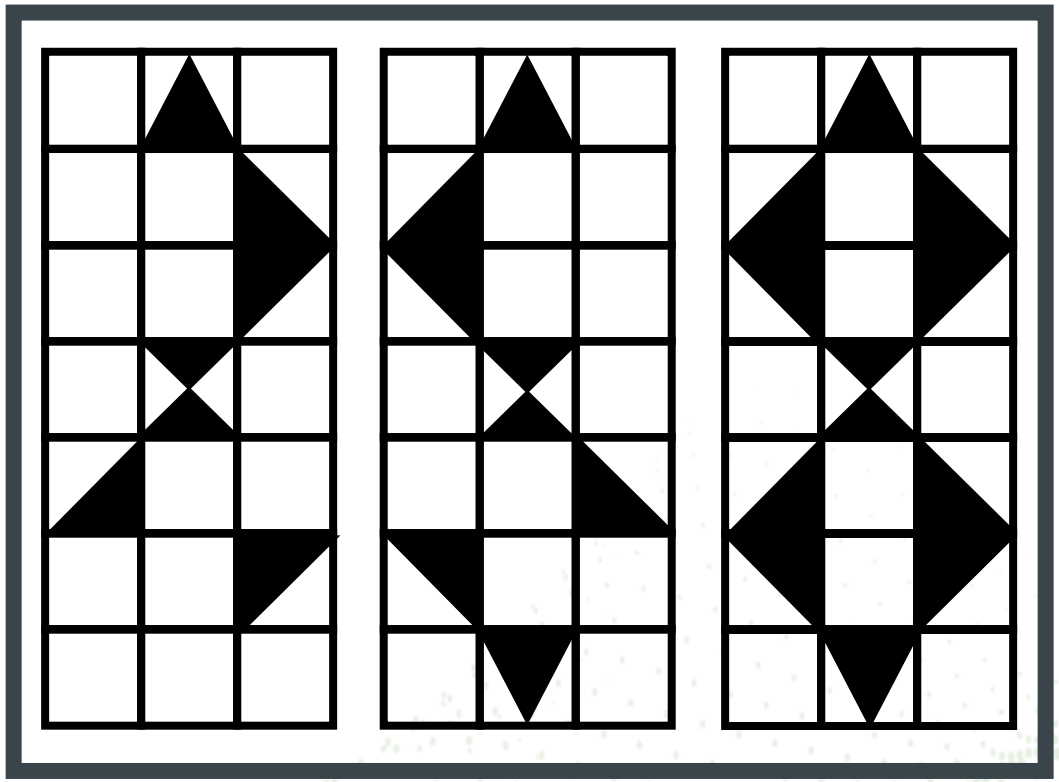
C. Letter

D. Number

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Test Answer



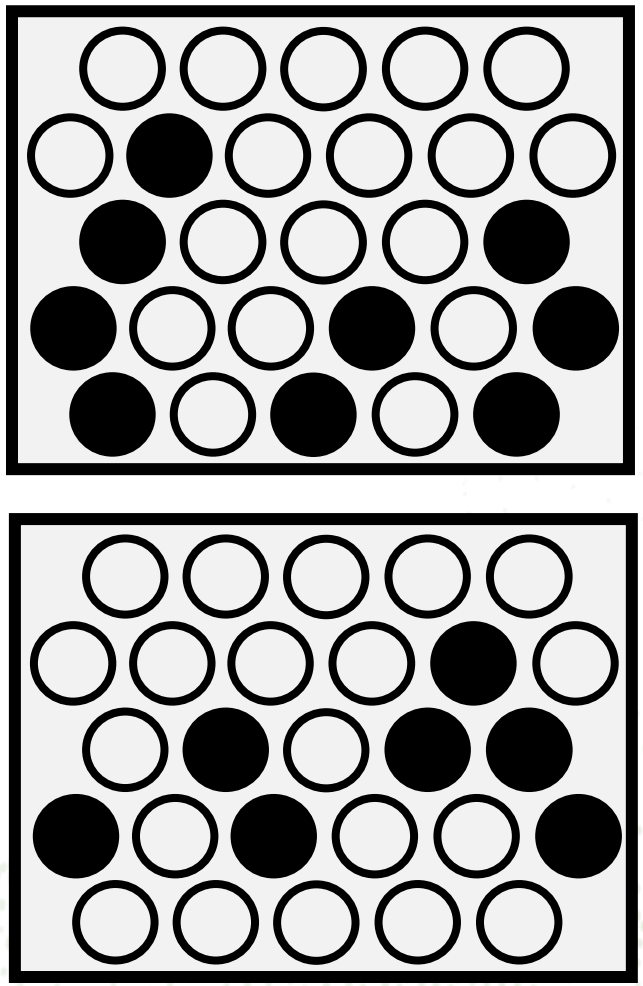
- The merging of the two rectangles “8” can be visualized.
- 8 is considered as a Number.

- The correct answer is (D) Number

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Test Question



What is depicted upon combining the shaded parts of the given figure?

A. Letter

C. Number

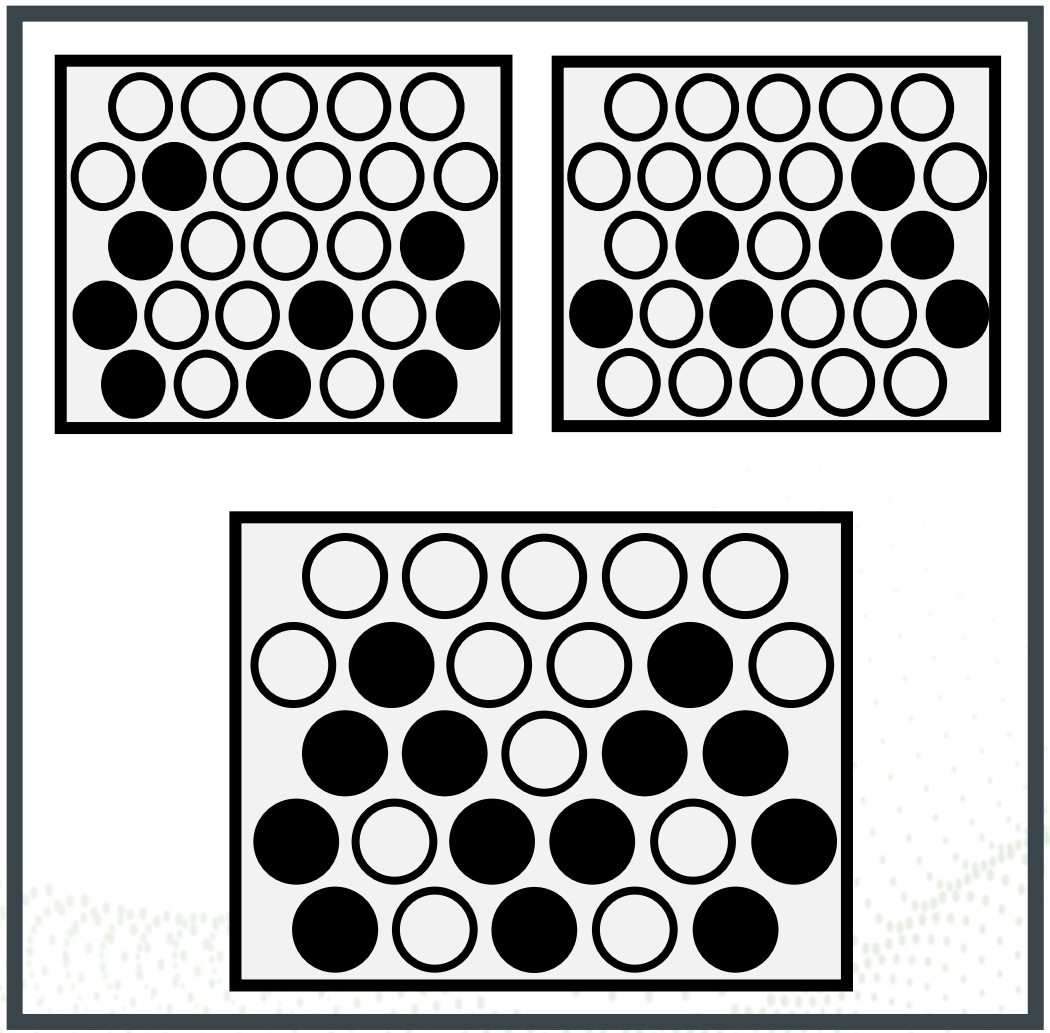
B. Chart

D. Shape

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Test Answer



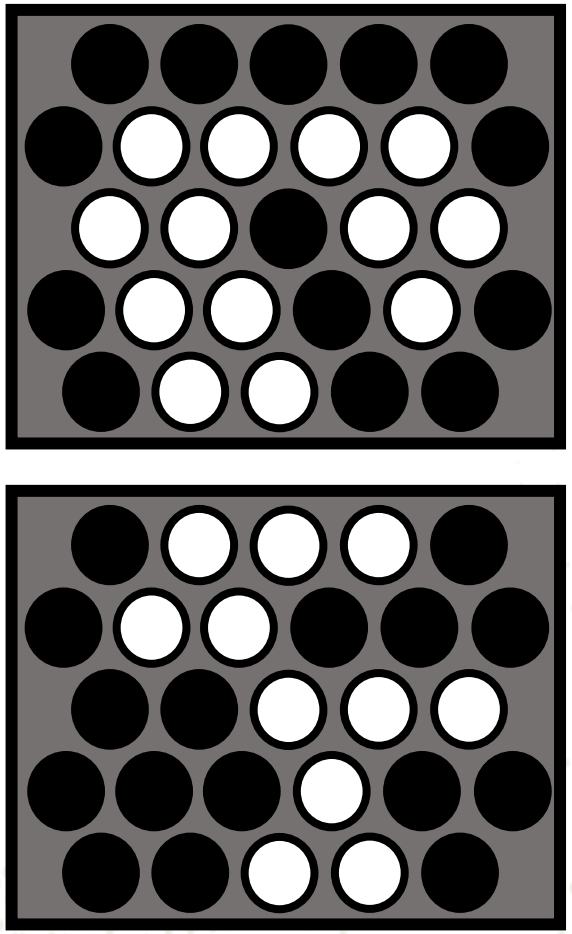
- The shaded part of the two block formed a “M”
- M is a Letter.

- The correct answer is (A) Letter

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Test Question



The rectangle has shaded and unshaded parts. What type of figure can you visualize when you merge two rectangles?

A. Graph

C. Shape

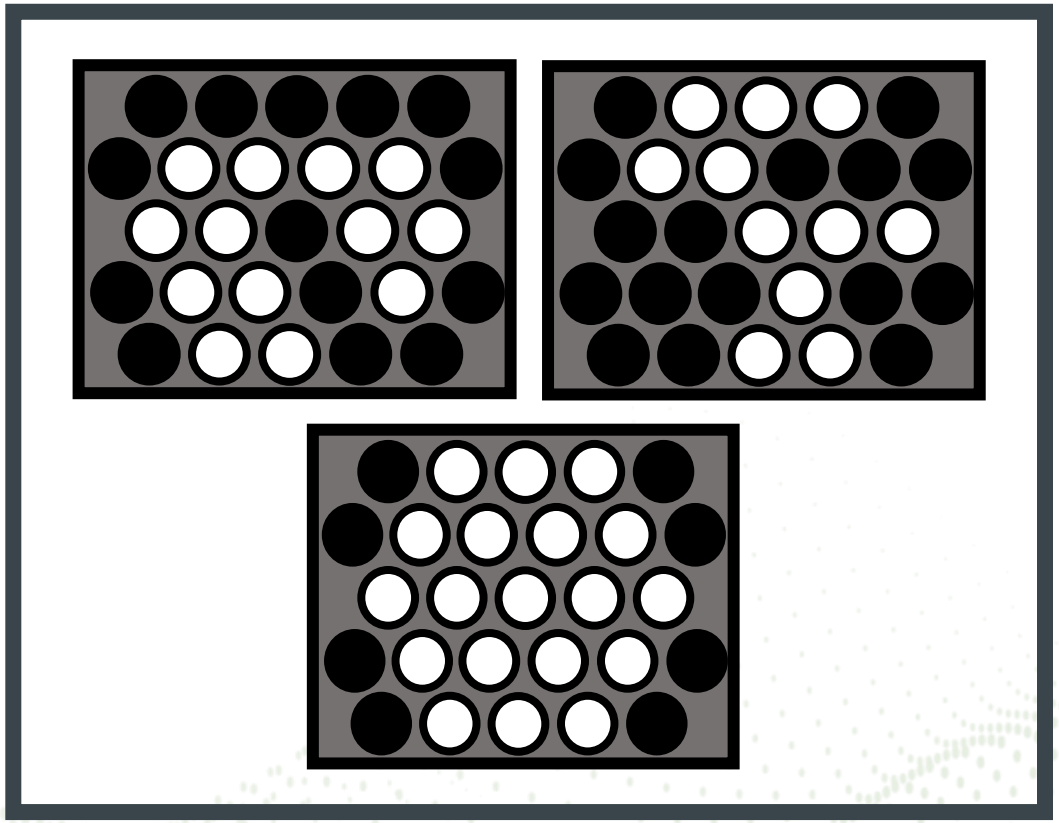
B. Chart

D. Number

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Test Answer



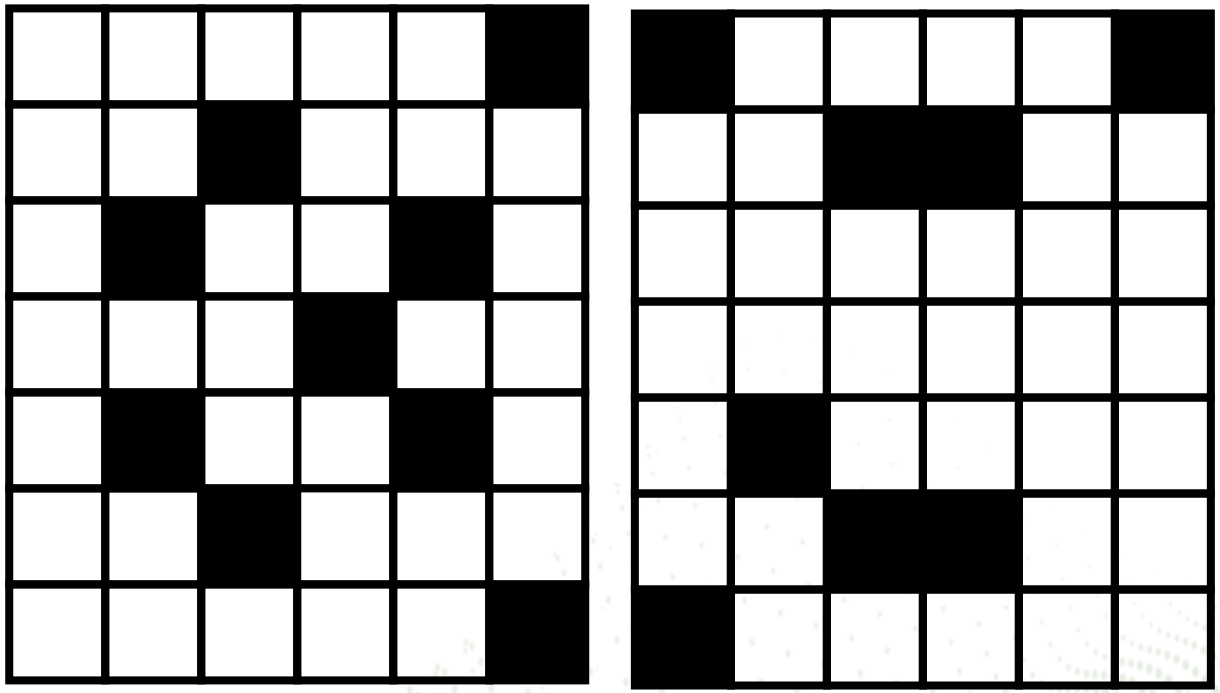
- By combining the unshaded part of both figures, an Hexagon can be visualized.
- Hexagon is a Shape

- The correct answer is (C) Shape

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Test Question



What can you visualize upon merging both rectangles?

A. Number

C. Graph

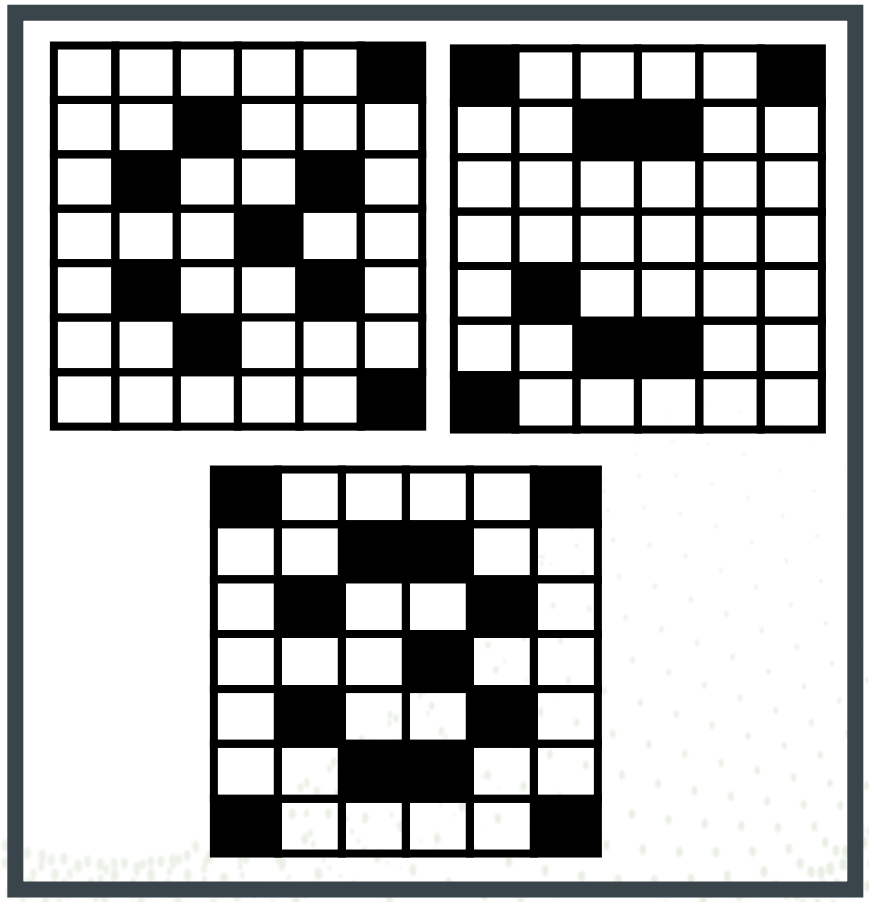
B. Shape

D. Letter

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Test Answer



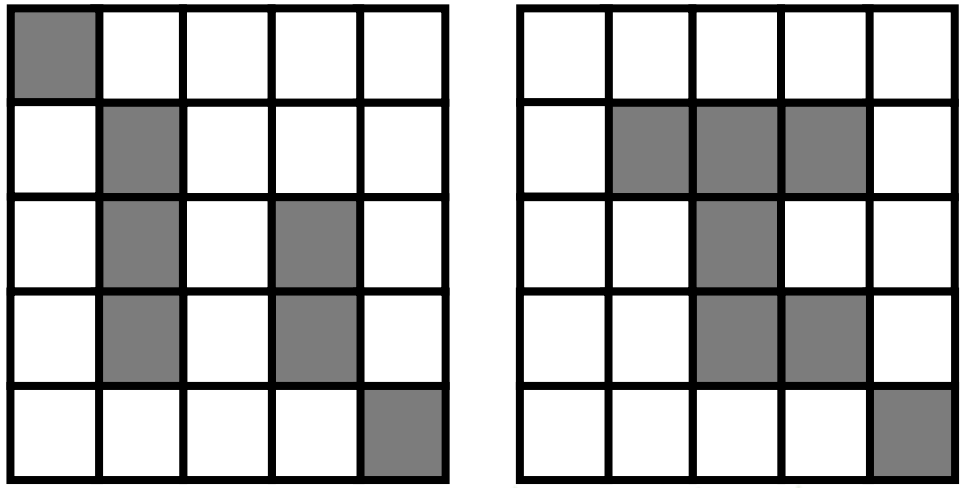
- **Tricky items:** there are some shaded parts that is not included in what is asked.
- **The shaded parts of the square shown a “3” upon combining the two.**
- **3 is a number.**

- **The correct answer is (A) Number**

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Test Question



What can you visualize by merging both squares?

A. Shape

C. Number

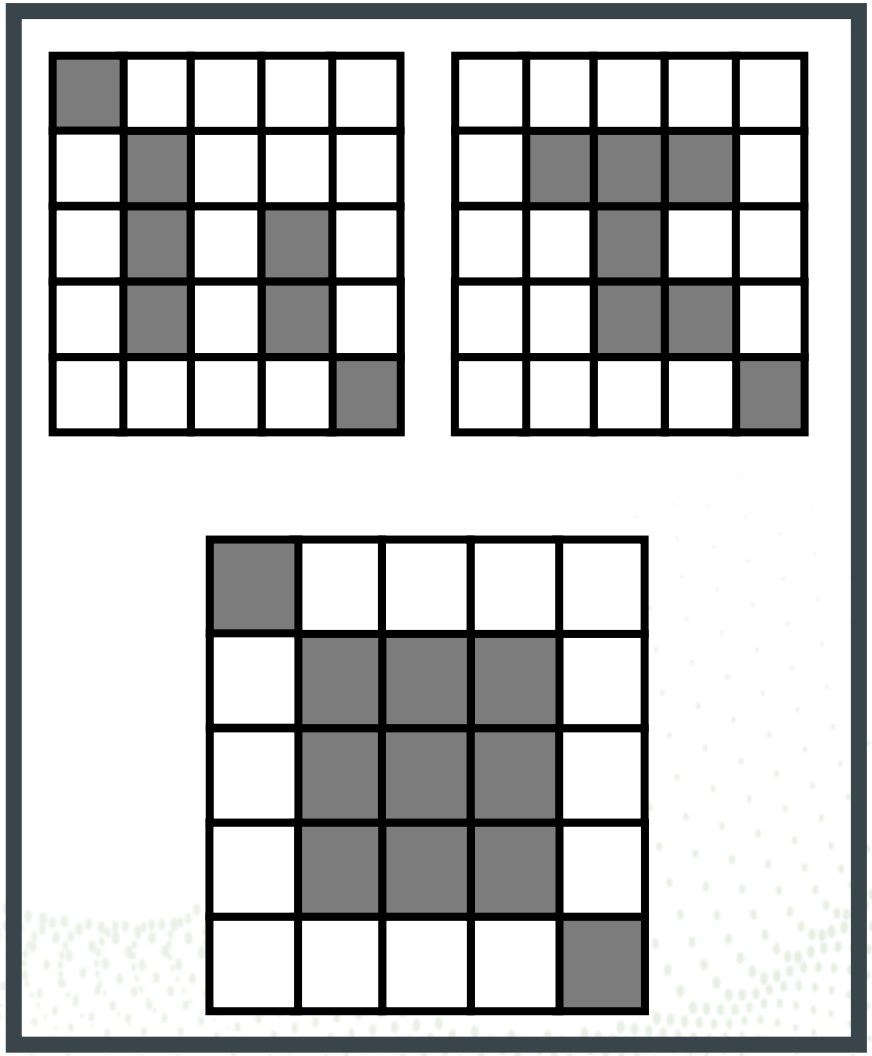
B. Letter

D. Chart

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Test Answer



- **Tips**
  - Use paper or whiteboard to draw
  - Look out for trick parts from test providers
- **The shaded parts depicts a Square.**
- **Square is a Shape.**

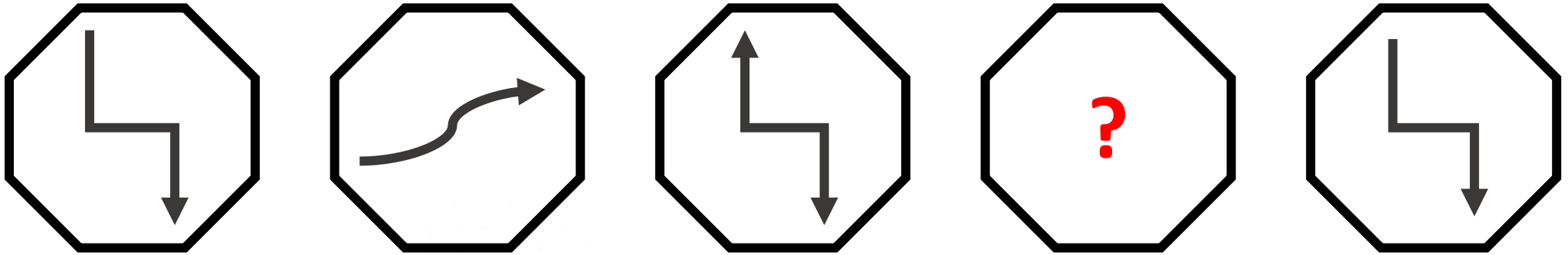
- **The correct answer is (A) Shape**

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Test Question

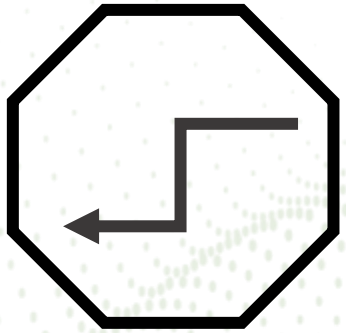
Determine the missing part?



A.



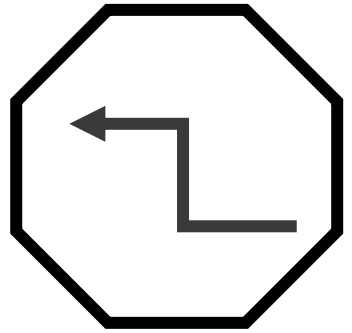
B.



C.



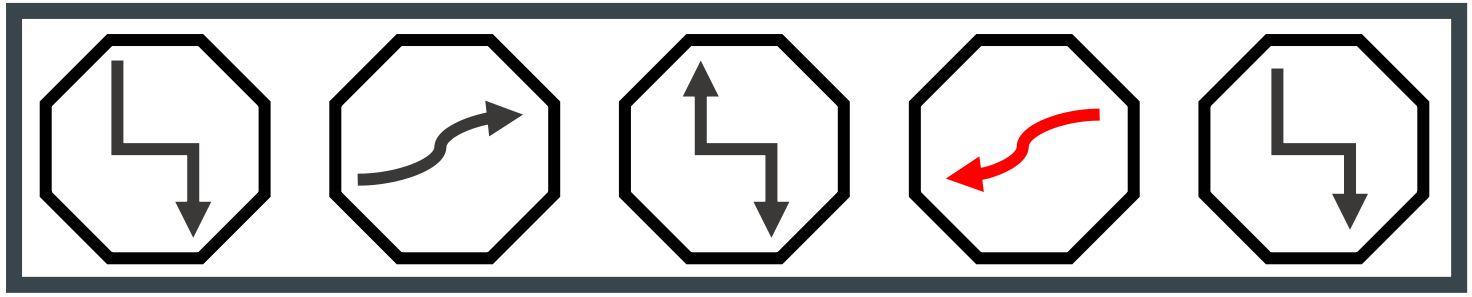
D.



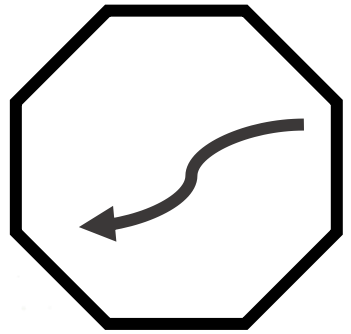
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Test Answer



- There are three types of arrows.
- An arrow with a straight body, another with curves and the last with two arrowheads.
- There are three patterns you can see: pattern for straight arrows [1] and pattern for curved arrows [2] and a patter between straight and curved arrows: Straight, Curve, Straight [3].
- Knowing the patterns, you can determine that missing arrow is curved
- Typically answers on the test follow patterns and pattern typically is being symmetrical
- The correct answer is (A)

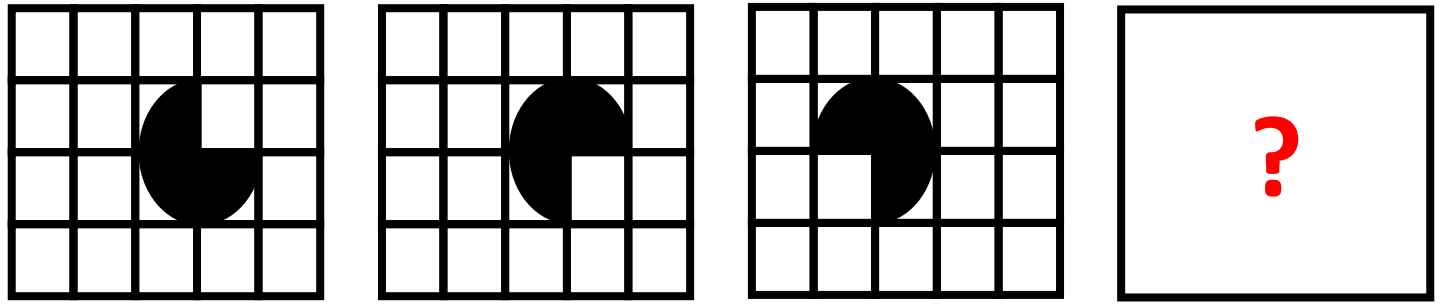


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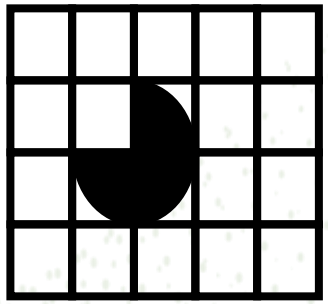
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Test Question

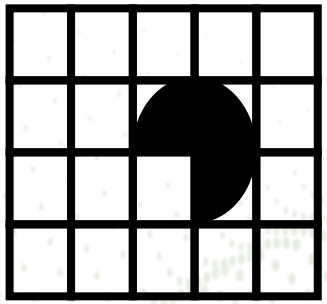
Which of the following comes next in this sequence?



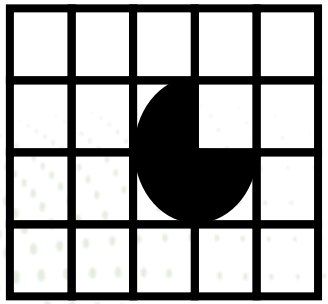
A.



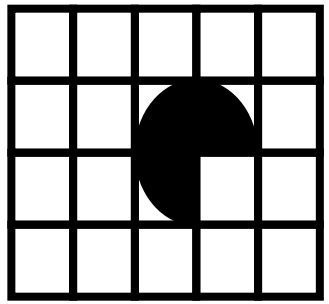
B.



C.



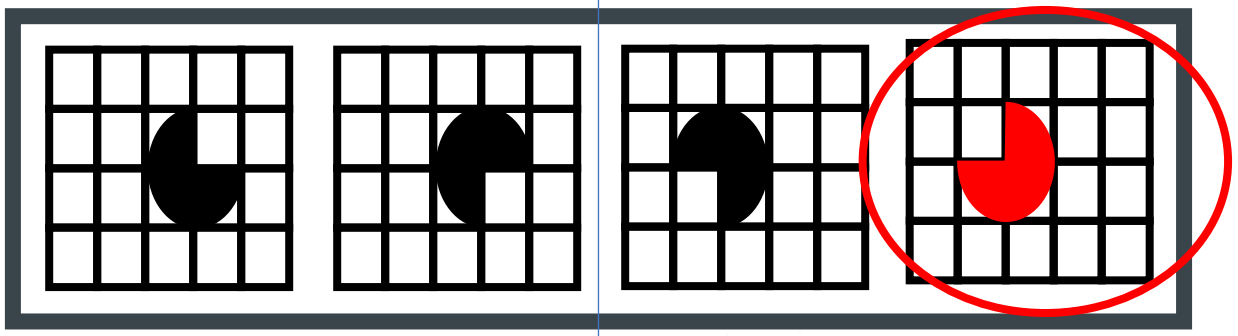
D.



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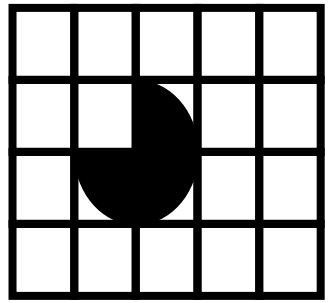
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Test Answer



- Always look for patterns
- Pattern here is symmetricity from the middle line in the center
- Shape 4 mirrors shape 1

- The correct answer is (A)

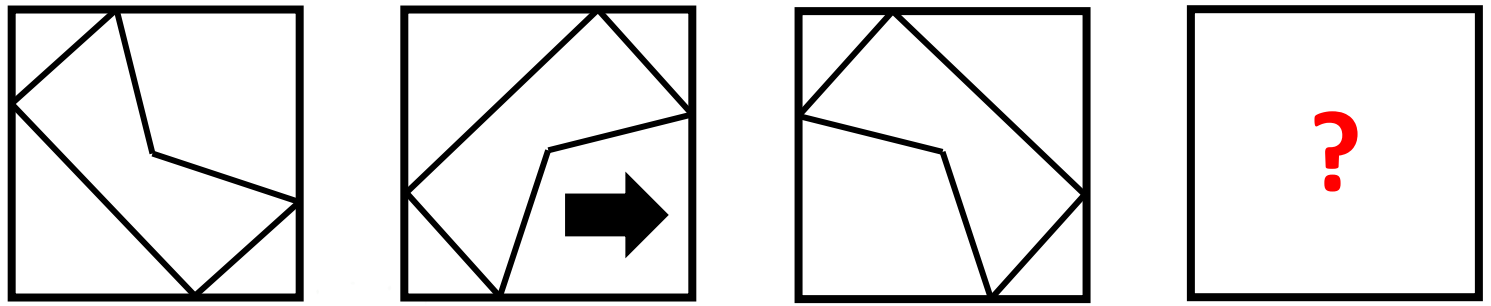


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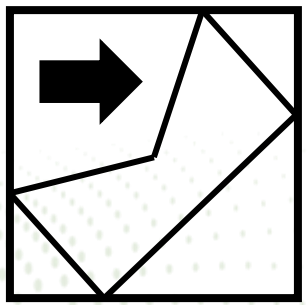
Test Question

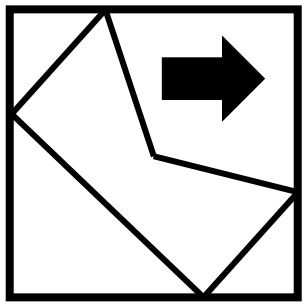
Which of the following comes next in the sequence?



A. 

B. 

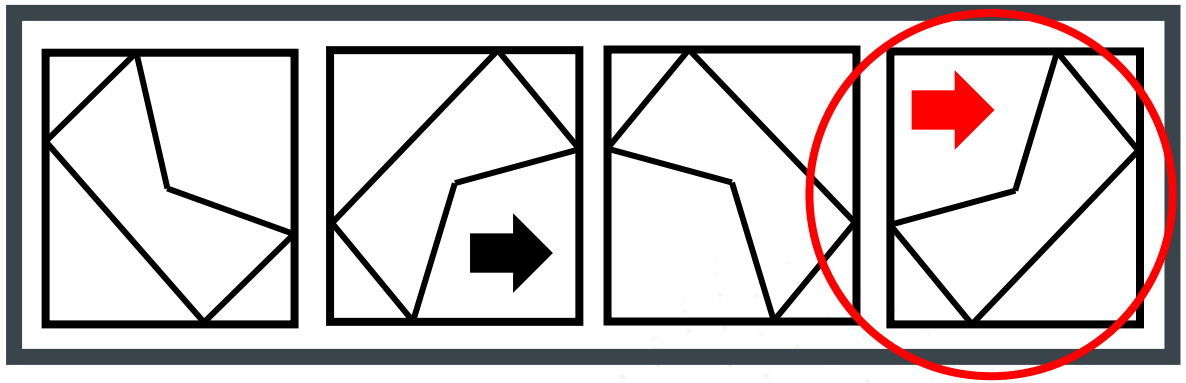
C. 

D. 

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Test Answer



- Always look for patterns
- The figure inside the box rotates clockwise.
- The arrow is only present in the second box in the original question. This is why we can assume that it is only placed in the boxes that are even.
- Therefore, the fourth box contains an arrow with a figure following the sequence.

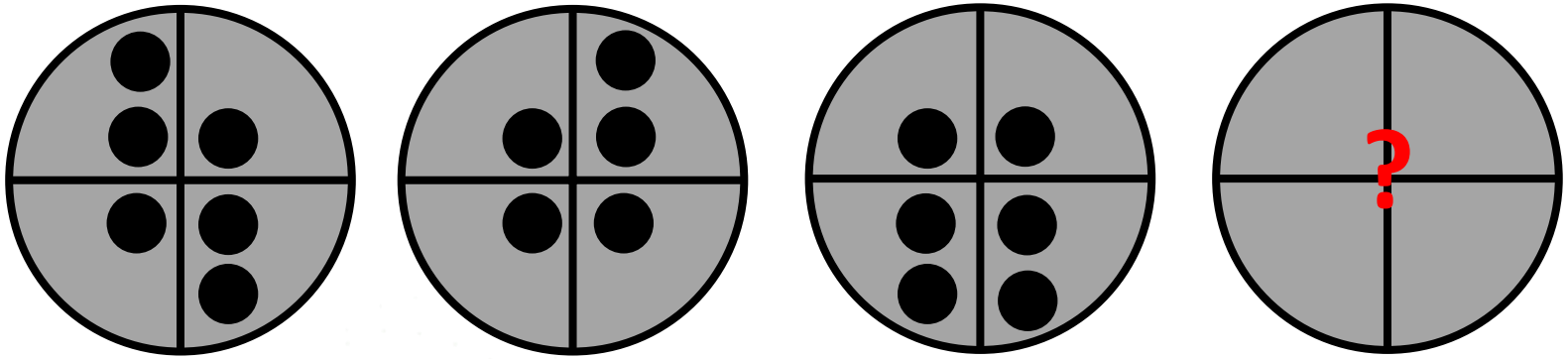
- The correct answer is (C)

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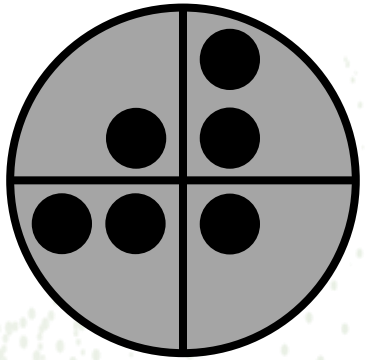
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Test Question

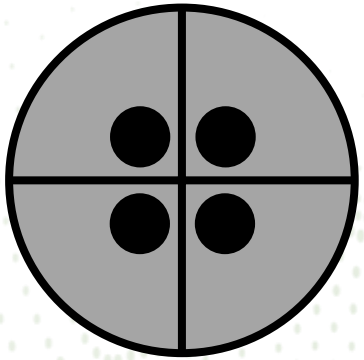
Which of the following circles comes next in the sequence?



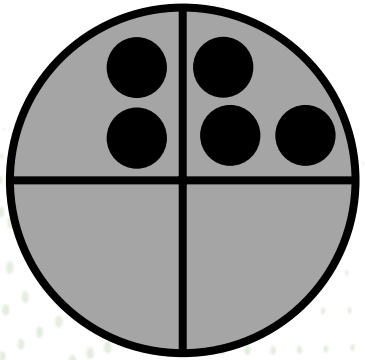
A.



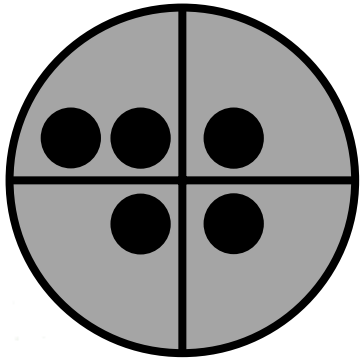
B.



C.



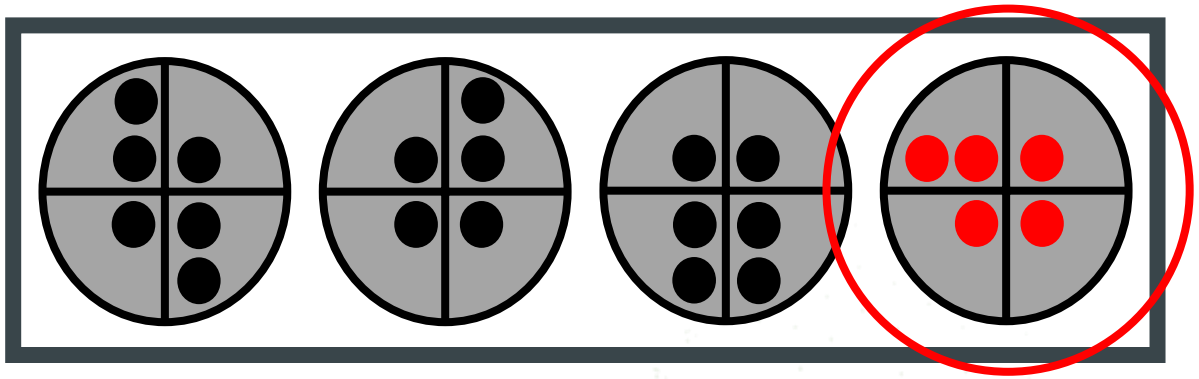
D.



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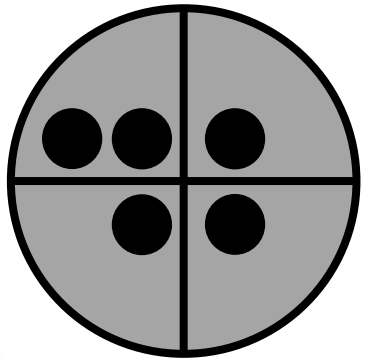
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Test Answer



- Always look for patterns. Sometimes there are multiple patterns present in one question
- Pattern [1]: Each part of the circle must have something and should not be left blank, without anything on the inside.
- Pattern [2]: Each circle has either 5 or 6 circles inside.
- Therefore, the next in sequence should contain 5 circles, distributed in all parts.

- The correct answer is (D)

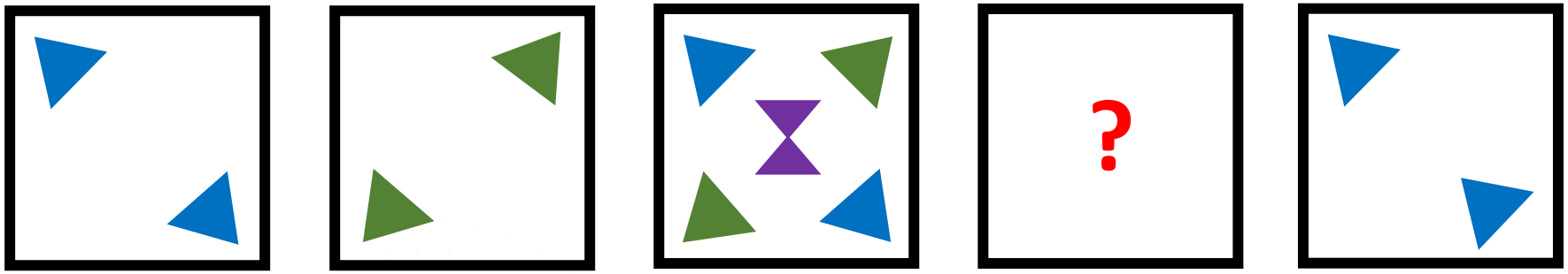


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Test Question

Which of the following comes next in the sequence?



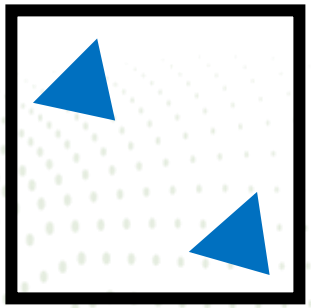
A.



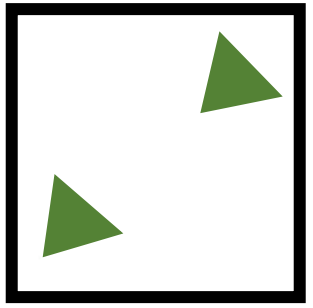
B.



C.



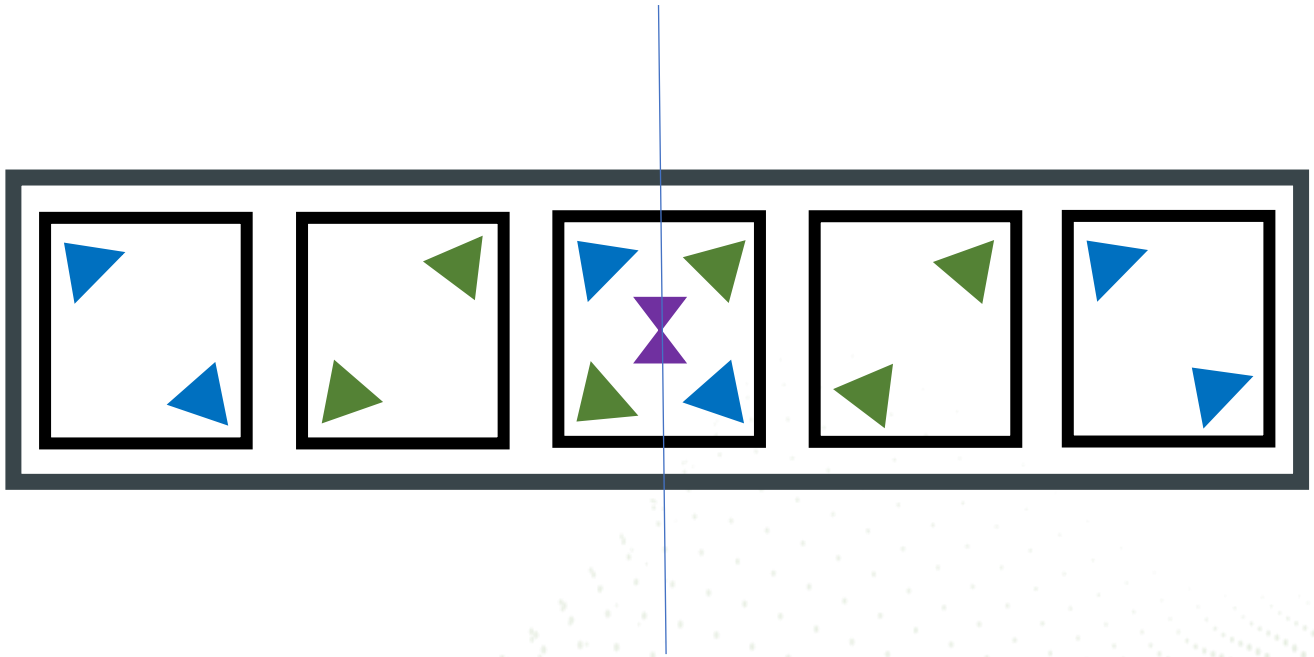
D.



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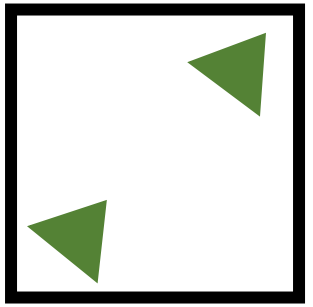
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Test Answer



- Always look for patterns. Sometimes there are multiple patterns present in one question
- The triangles follows a sequence.
- [1] The first two shapes have triangles pointing outward in different direction
- [2] Colors of triangles are determined by mirroring from the center line
- Therefore, following the last in sequence, the missing shape contains triangles that points on both directions.

- The correct answer is (B)

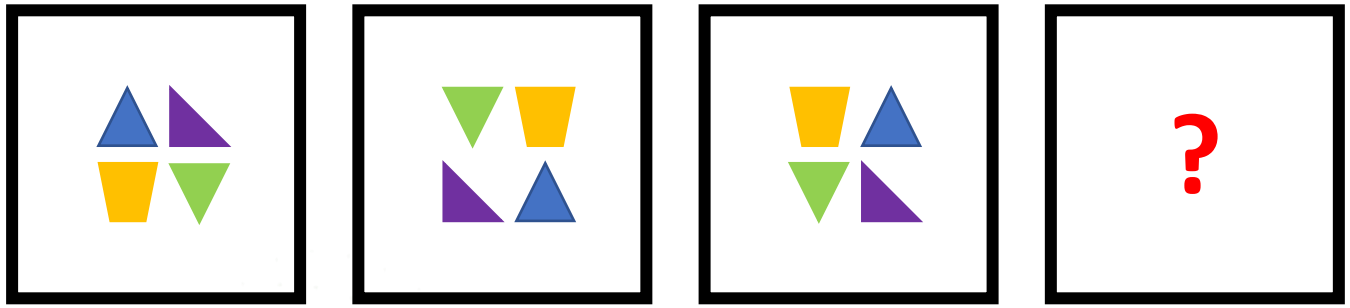


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Test Question

Which of the following comes next in the sequence?



A. 

B. 

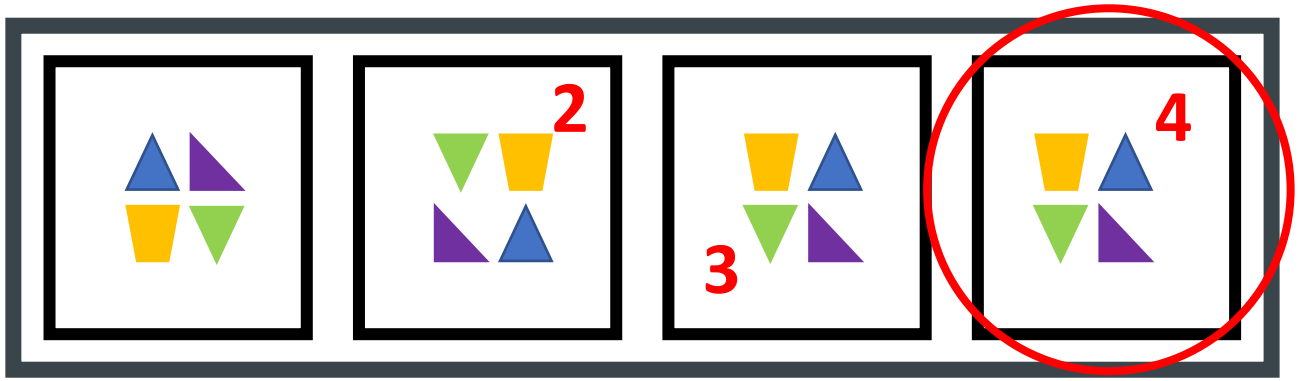
C. 

D. 

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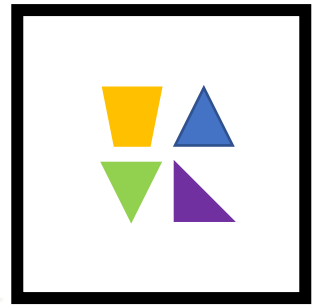
Test Answer



- Always look for patterns. Sometimes there are multiple patterns present in one question

- The shapes rotate clockwise with the increment for every move, based on the sequential ID.
- In the second box, the shapes moved with the increment of 2, third box with the increment of 3 etc.
- Therefore, the missing part of the sequence have shapes moved 4 times.

- The correct answer is (A)

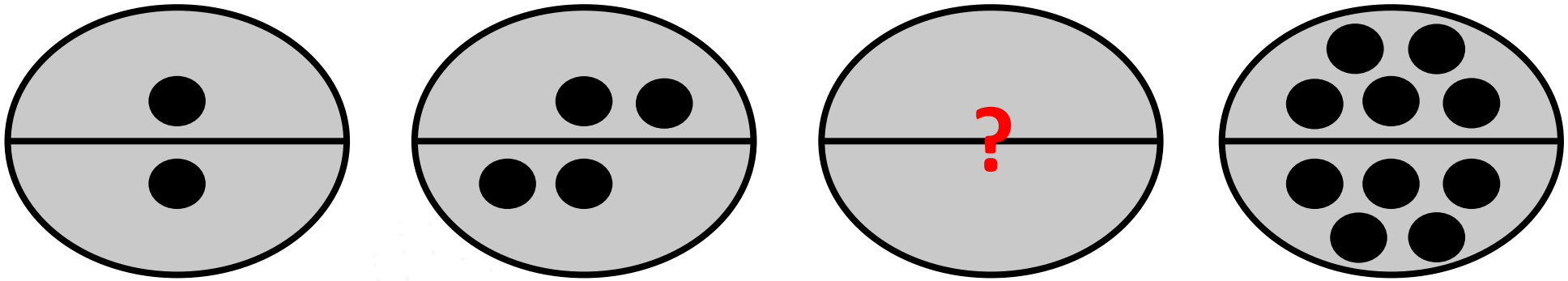


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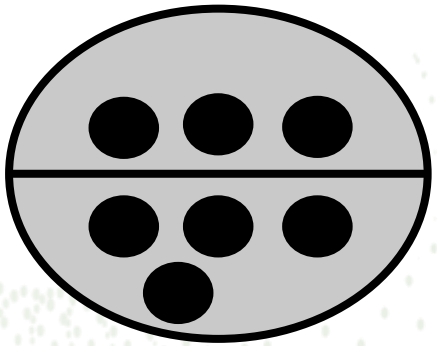
HowToAnalyzeData.net/Resources

Test Question

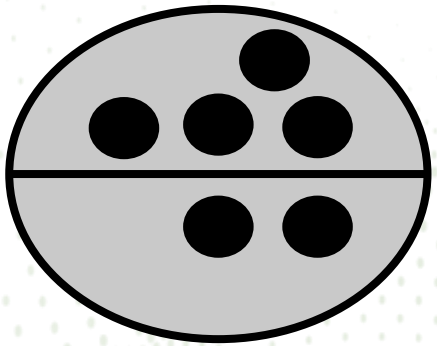
Which of the following completes the sequence?



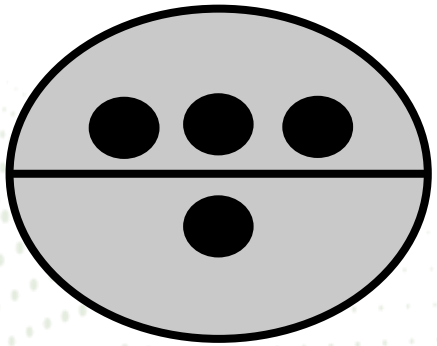
A.



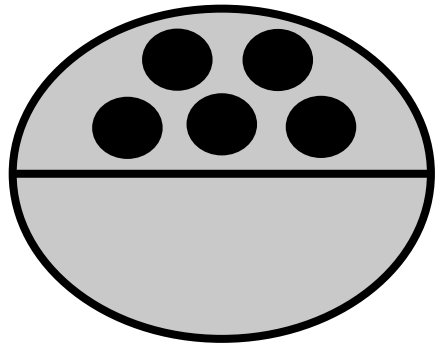
B.



C.



D.

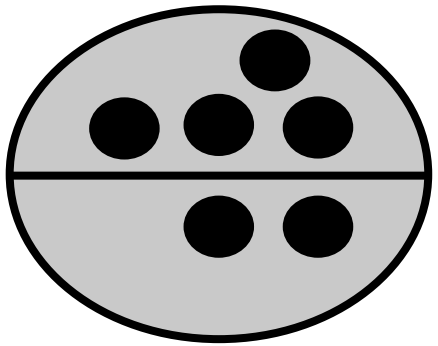


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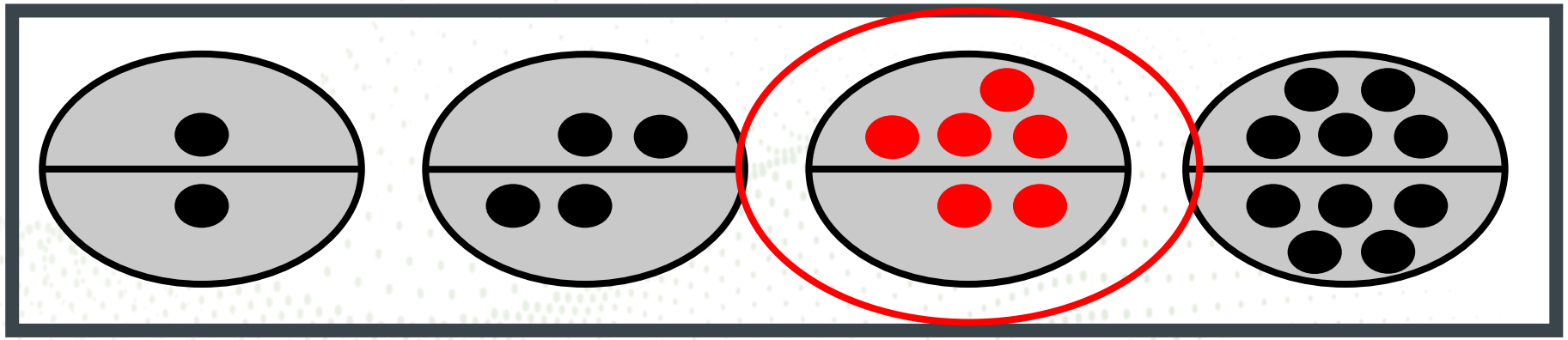
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Test Answer

- Always look for patterns
  - [1] The small circles inside follows a pattern
  - [2] Math is used to determine the next item
- Since the third circle is missing, subtraction should be used to calculate
- To determine the missing part of the sequence: 10 - 4 = 6



- The correct answer is (B)

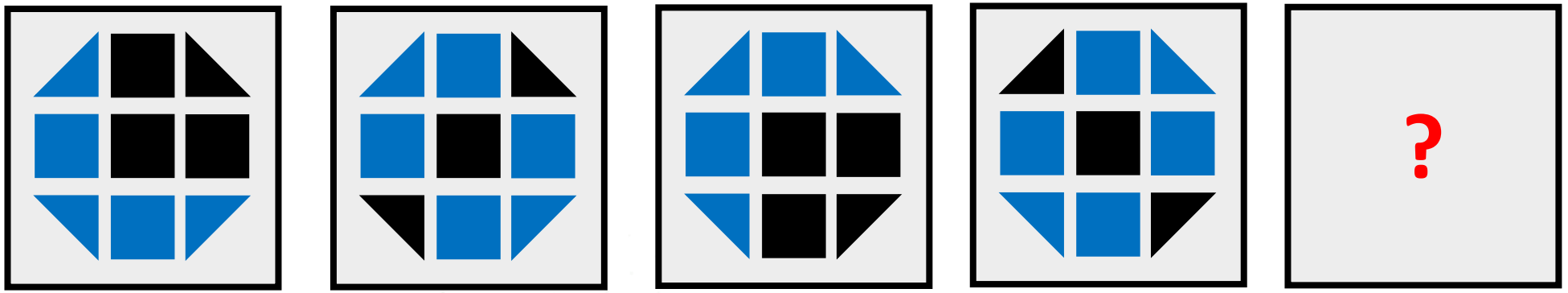


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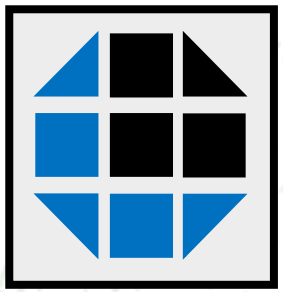
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Test Question

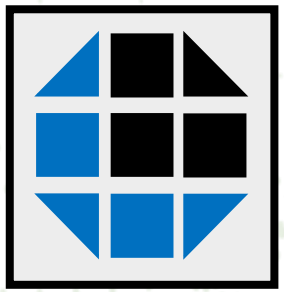
Which of the following comes next in the sequence?



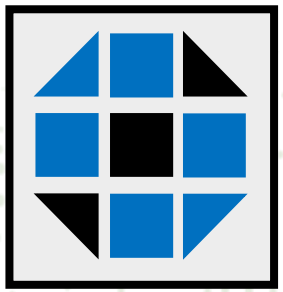
A.



B.



C.



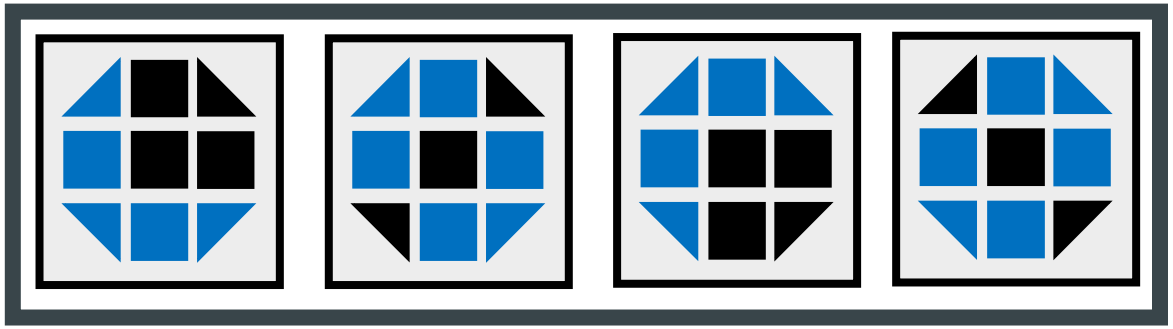
D.



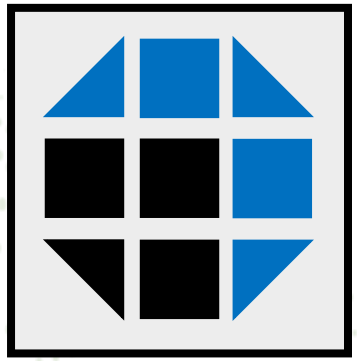
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Test Answer



- There are two sequence in the figure presented.
  - [1] Corner Sequence
  - [2] Diagonal Sequence
  - [3] Order Sequence
- Both are moving clockwise.
- Sequence's order: [1], [2], [1], [2], missing
- Therefore, the next box contains the same pattern as the first and third, rotated clockwise to the next position.



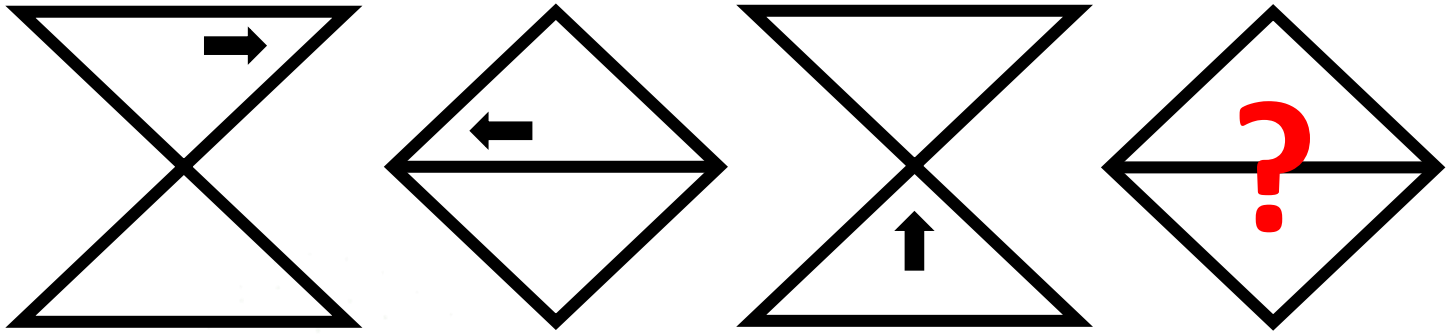
- The correct answer is (D)

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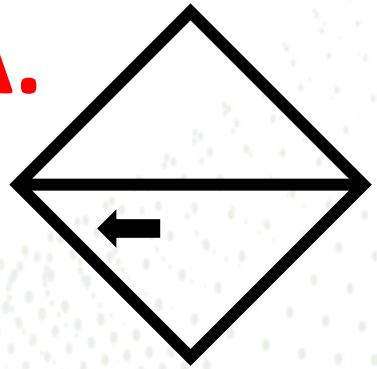
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Test Question

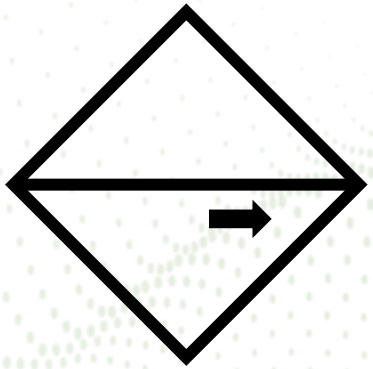
Which of the following comes next in the sequence?



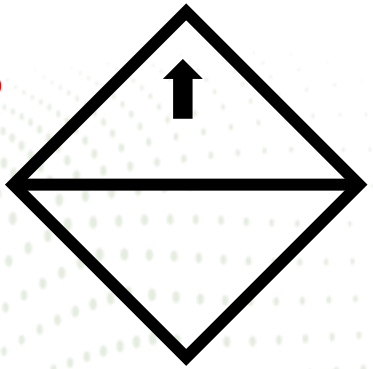
A.



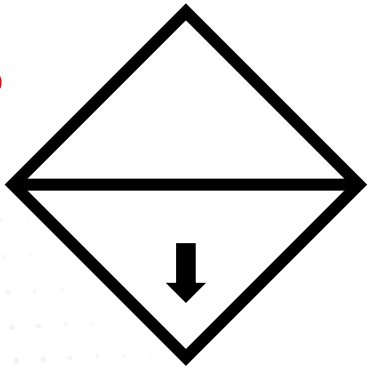
B.



C.



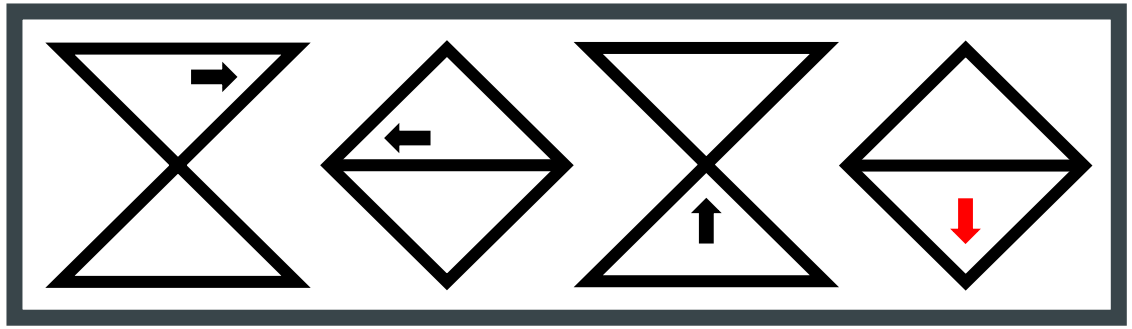
D.

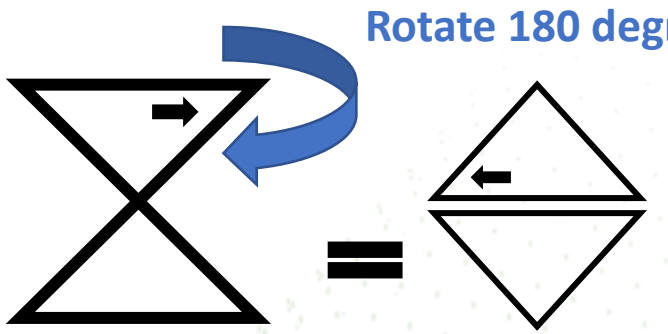


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Test Answer

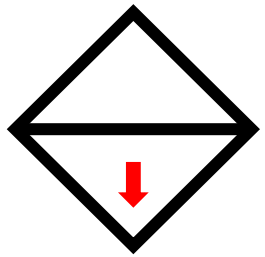




Shape 1, before the rotation

Shape 2 is formed, after the rotation

- Always look for patterns.
- Patterns present in this question:
  - Triangles from sand clock rotate 180 degrees to form the next shape
  - Position of the arrow inside the triangle also changes as part of the rotation
- Therefore, in the last shape, the arrow is pointing as the same corner, as it was before the rotation.
- The correct answer is (D)

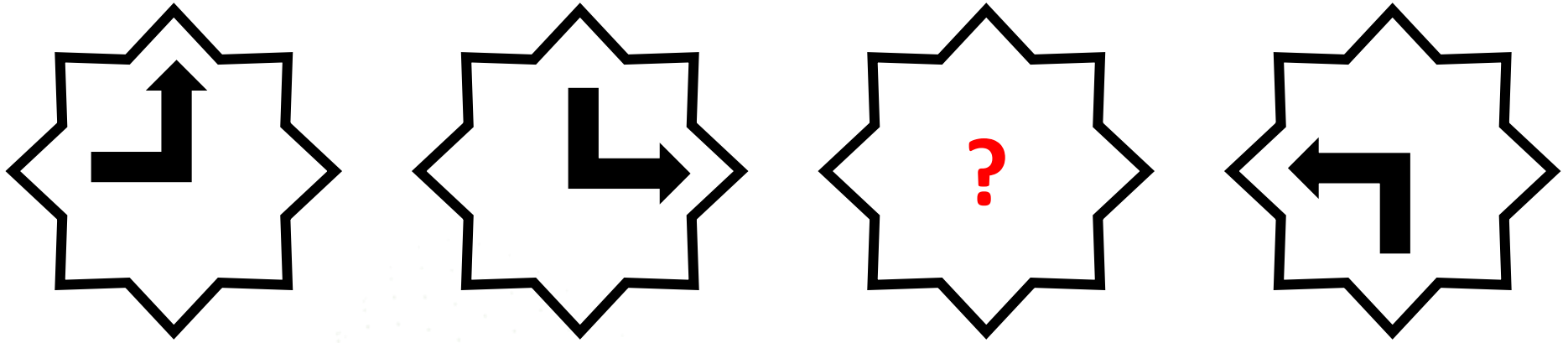


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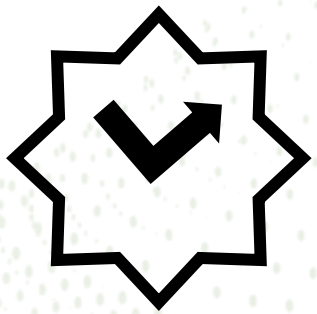
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Test Question

Which of the following comes next in the sequence?



A.



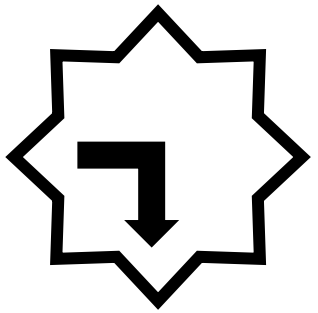
B.



C.



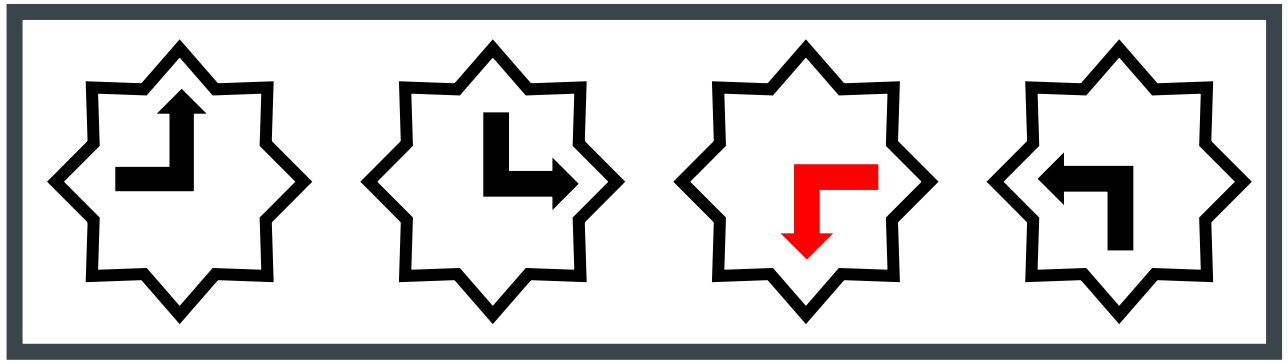
D.



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Test Answer



- Always look for patterns.
- Sometimes there are multiple patterns present
- The arrows points to a corner of a shape.
- It rotates clockwise, 2 corners at a time.
- Missing arrow points down

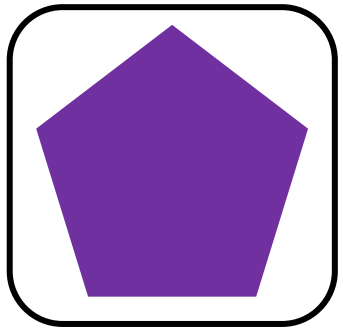
- The correct answer is **(C)**

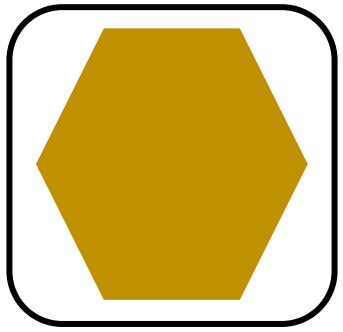


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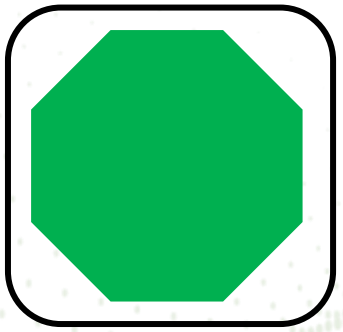
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Test Question

A. 

C. 

B. 

D. 

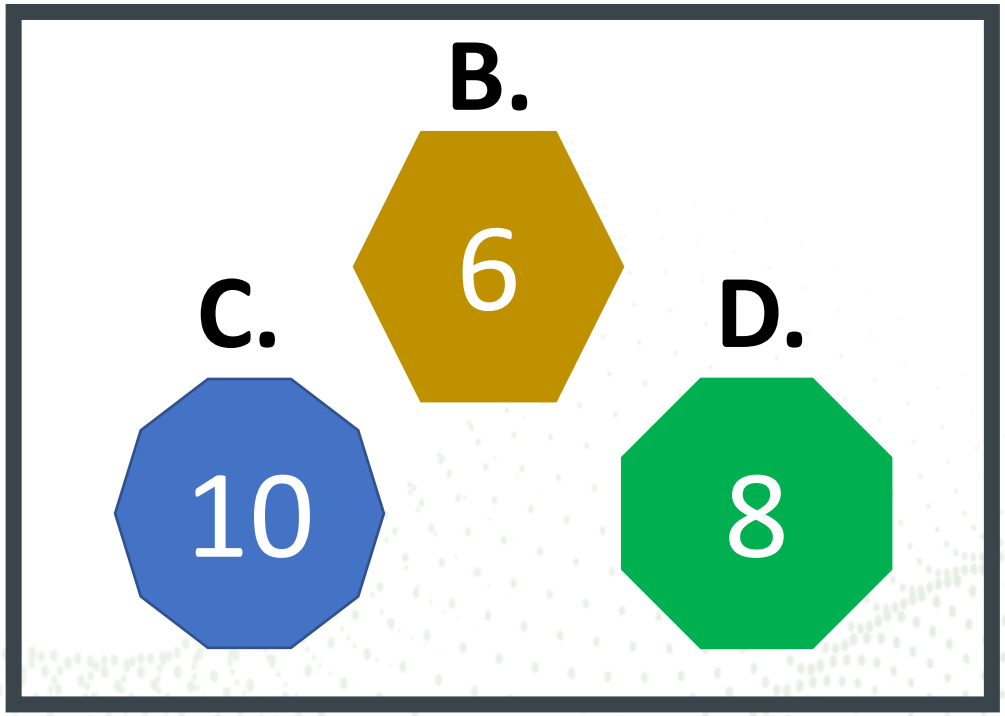
Determine which shape is different from the others.

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Test Answer

Number of corners in the shapes



- Always look for patterns
- All shapes have corners
- Three of the choices have even number of corners except for one.
- Answer A shape has 5 corners and 5 is not an even number

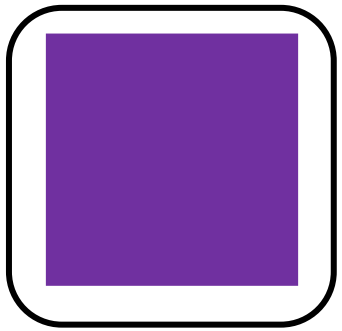
- The correct answer is (A)



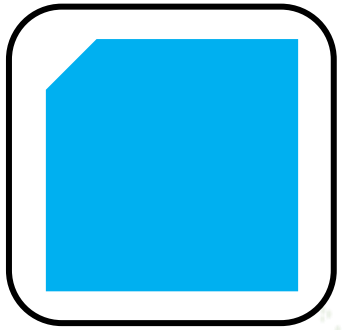
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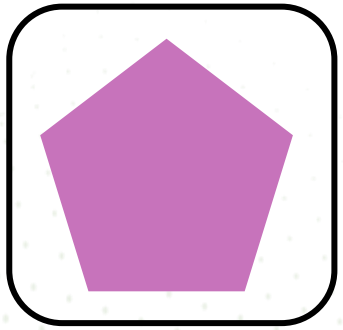
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Test Question

A. 

C. 

B. 

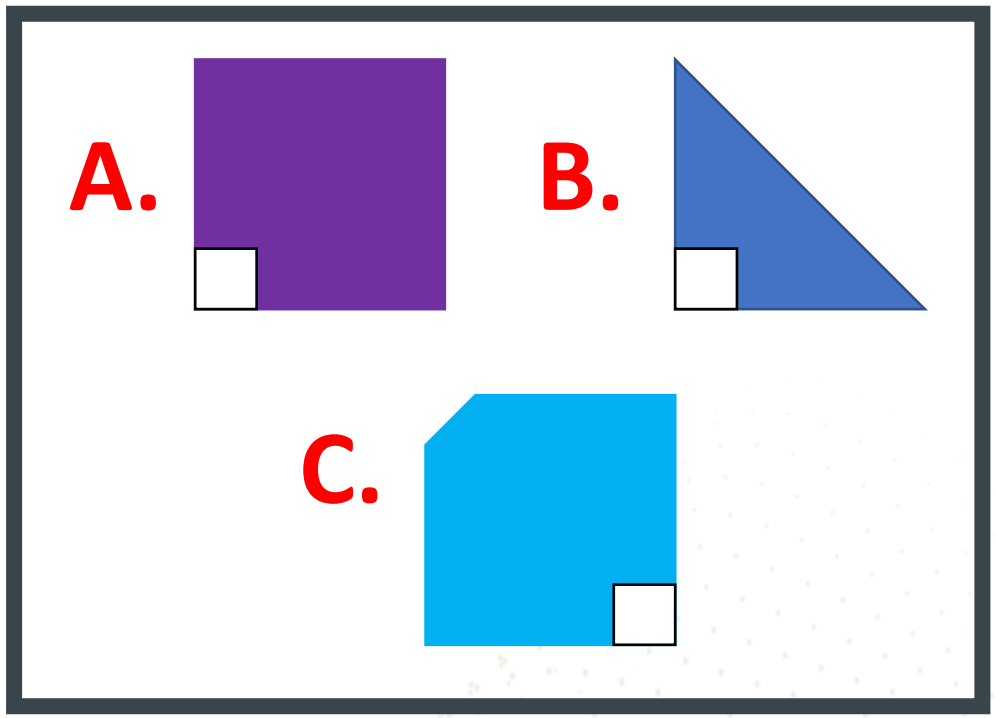
D. 

Which of the following is different from the others?

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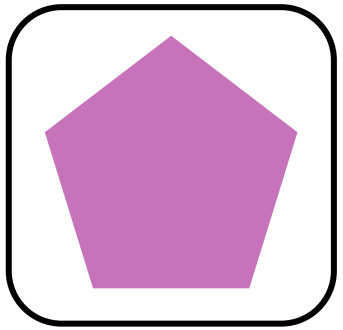
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Test Answer



- Always look for patterns
  - All shapes have a right angle, except for one.
  - Pentagon do not have a right angle.

- The correct answer is (D)

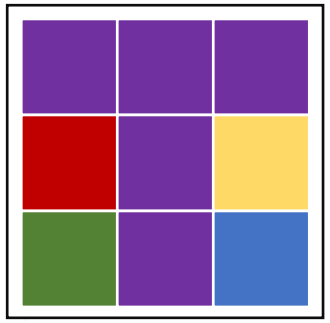


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Test Question

A. 

C. 

B. 

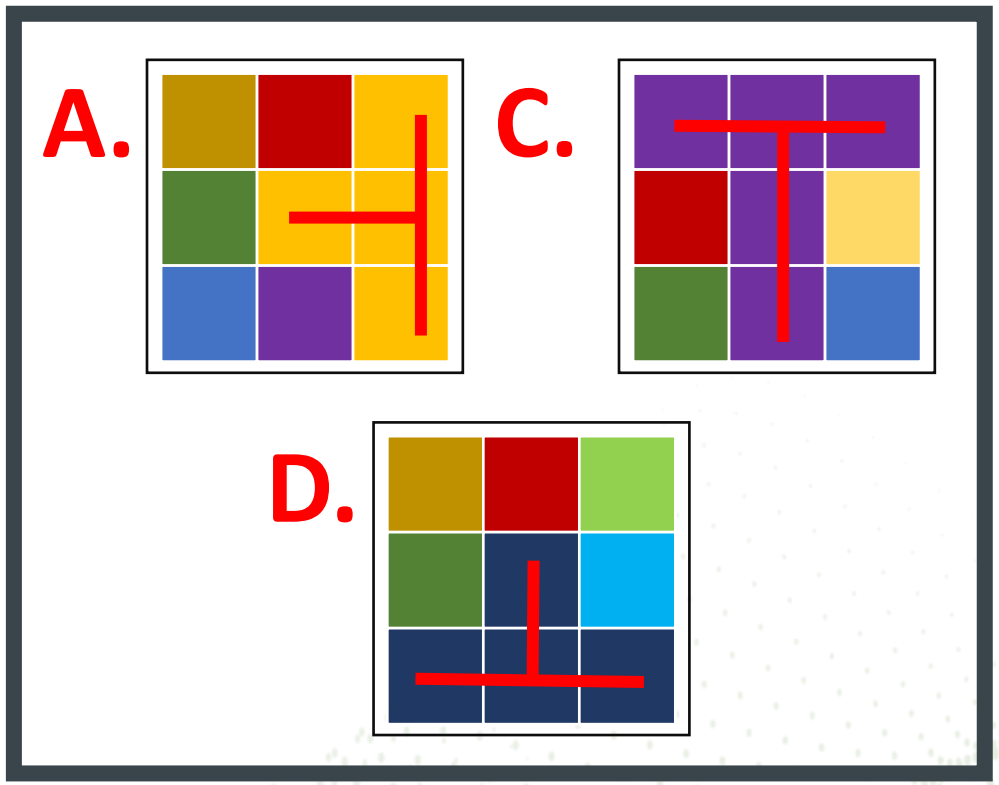
D. 

Which of the following squares is different from the others?

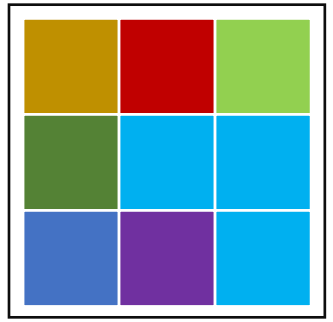
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Test Answer



- Always look for patterns
  - All squares depicts a “T” pattern, except for one.
  - Figure B does not show a T pattern unlike with the others in the group.
- The correct answer is (B)

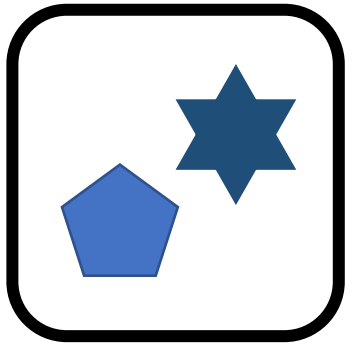


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Test Question

A. 

C. 

B. 

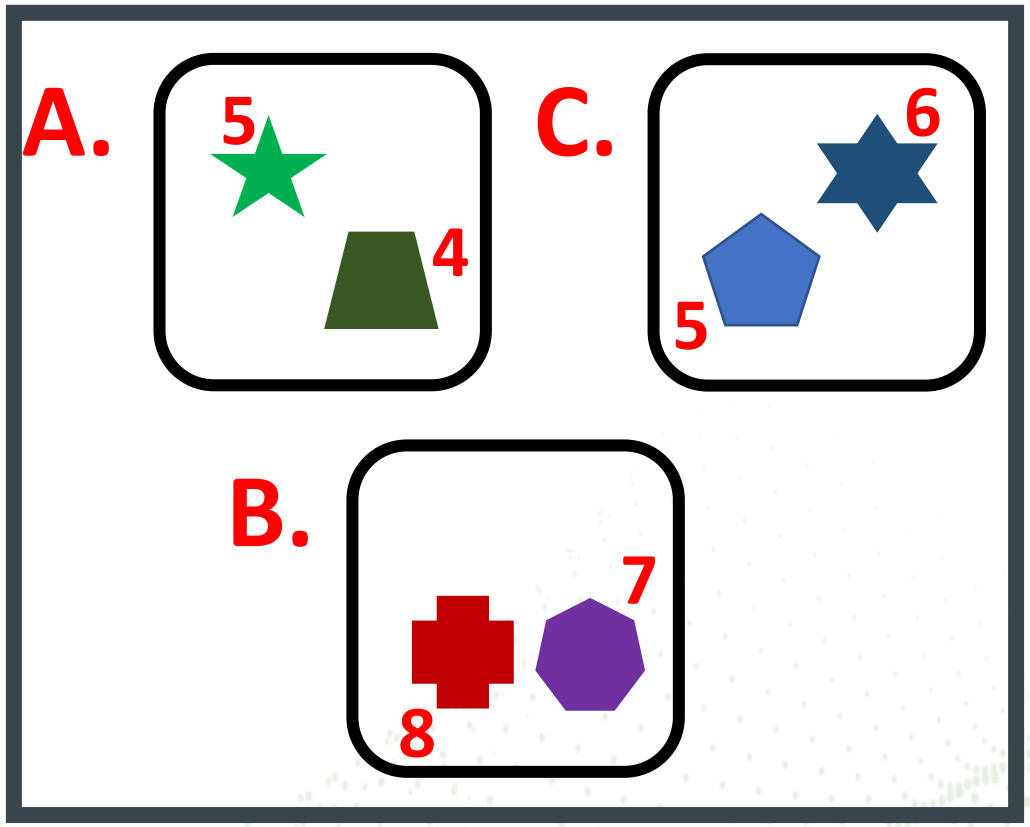
D. 

The following items have similarities with each other. Which item does not belong to the group?

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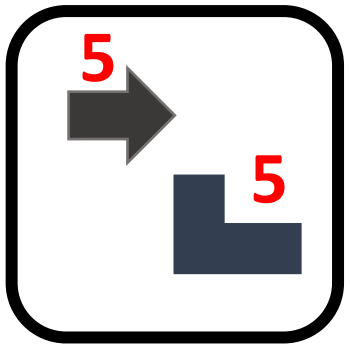
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Test Answer



- Always look for patterns
- The figures have similarities with each other.
- Each figure contains shapes that have corners that can be counted consecutively.
- Figure D have shapes that have the same number of corners.

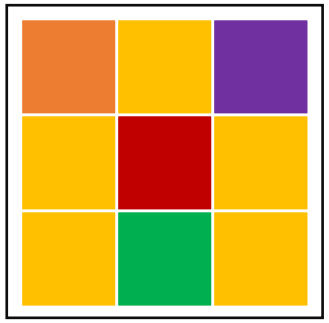
- The correct answer is (D)

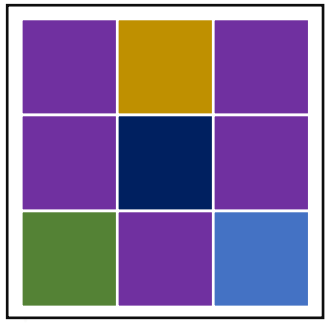


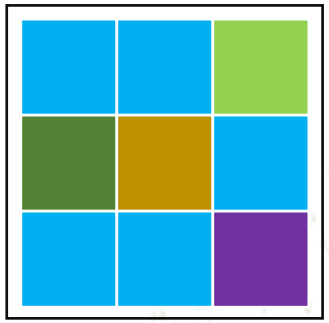
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Test Question

A. 

C. 

B. 

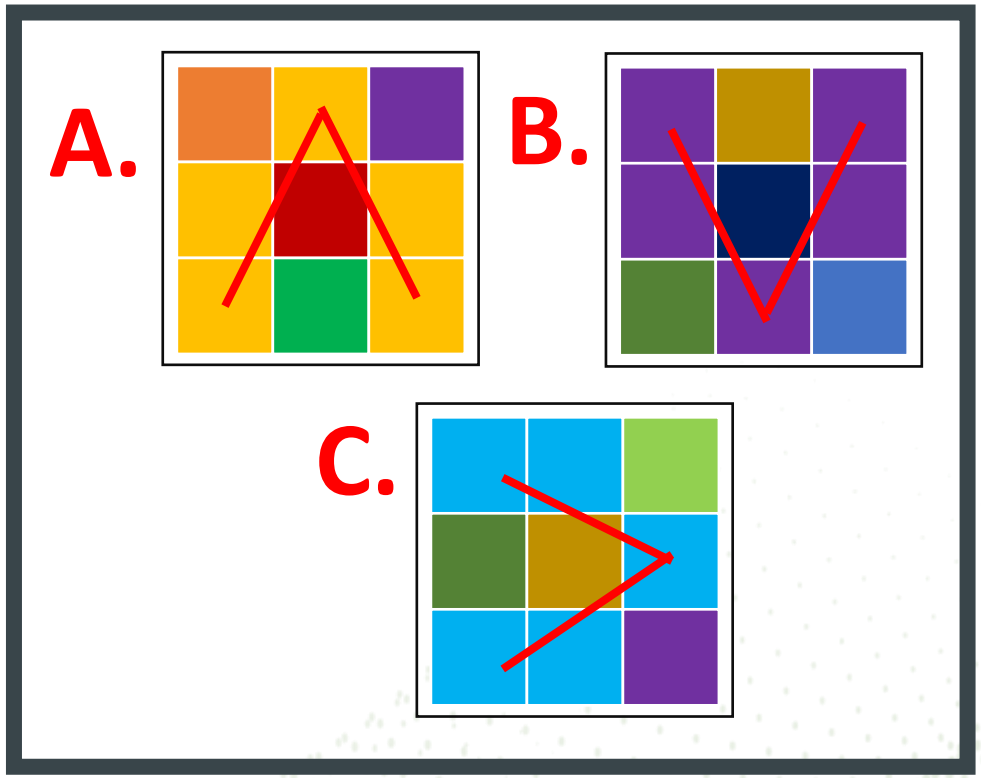
D. 

Which of the following squares is different from the others?

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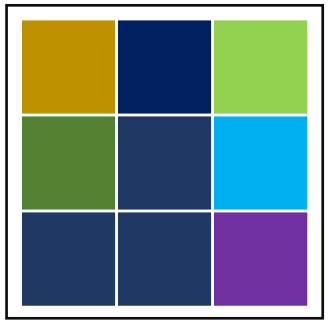
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Test Answer



- Always look for patterns
- All squares show a “V” shape, except for one.
- Figure D shows an “L” shape that is not similar with the others in the group.

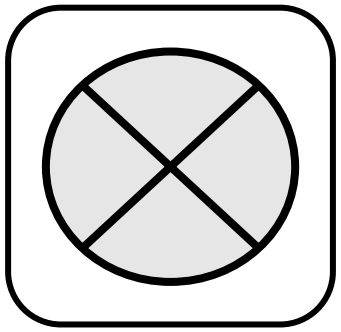
- The correct answer is (D)

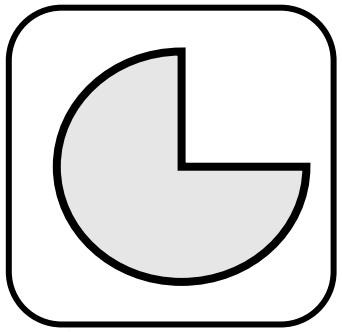


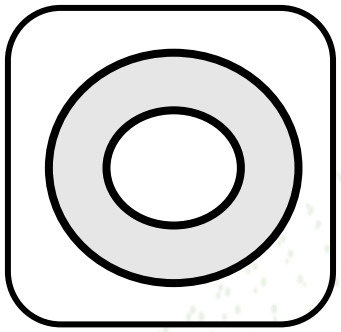
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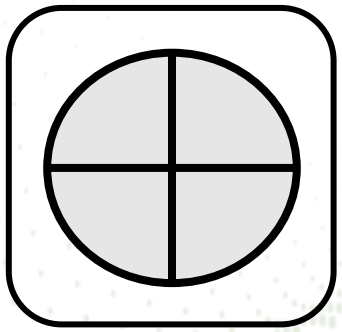
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Test Question

A. 

C. 

B. 

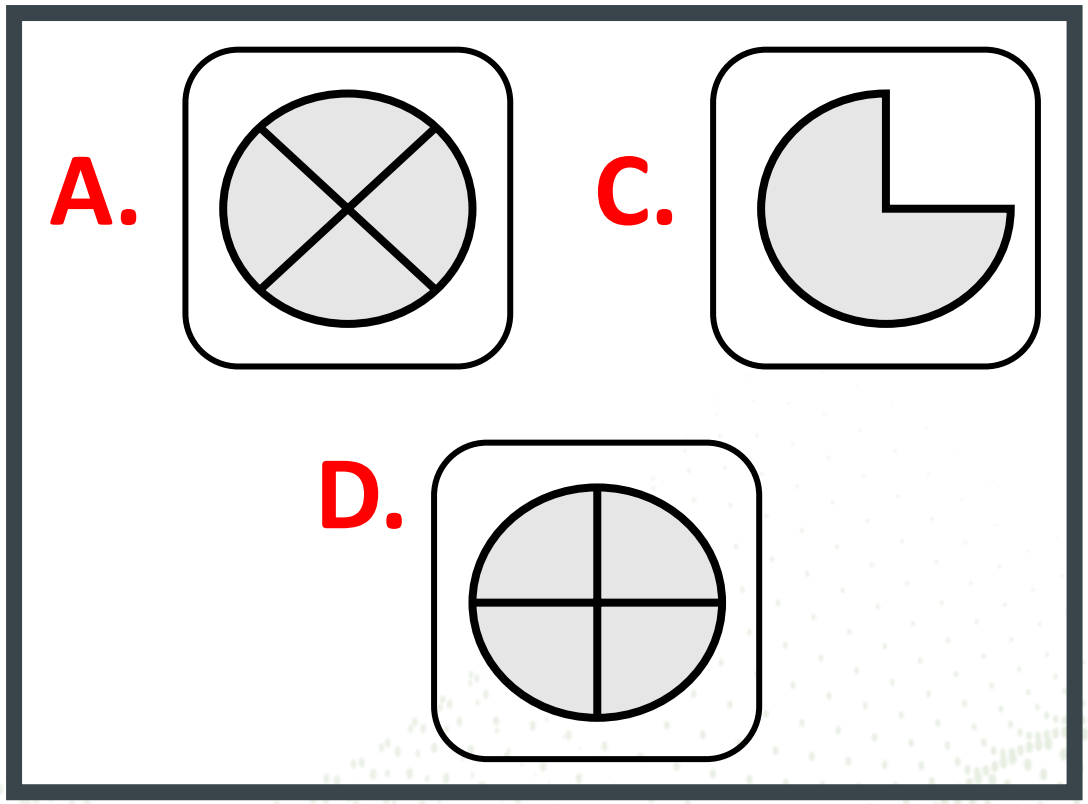
D. 

Which of the following is different from the others?

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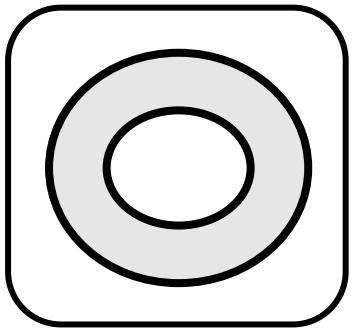
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Test Answer



- Always look for patterns
- All circles have a quarter inside them.
- Figure B only emphasizes the center of the circle and does not show a quarter.

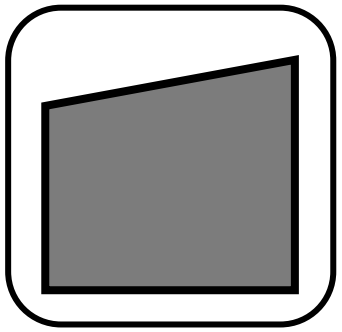
- The correct answer is (B)

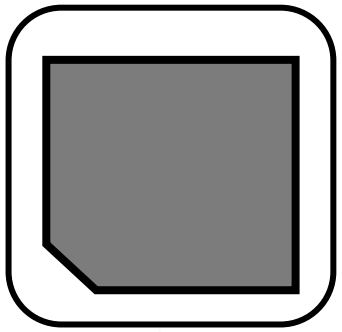


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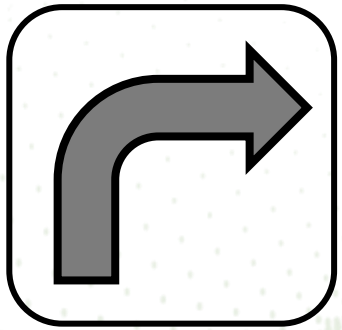
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Test Question

A. 

C. 

B. 

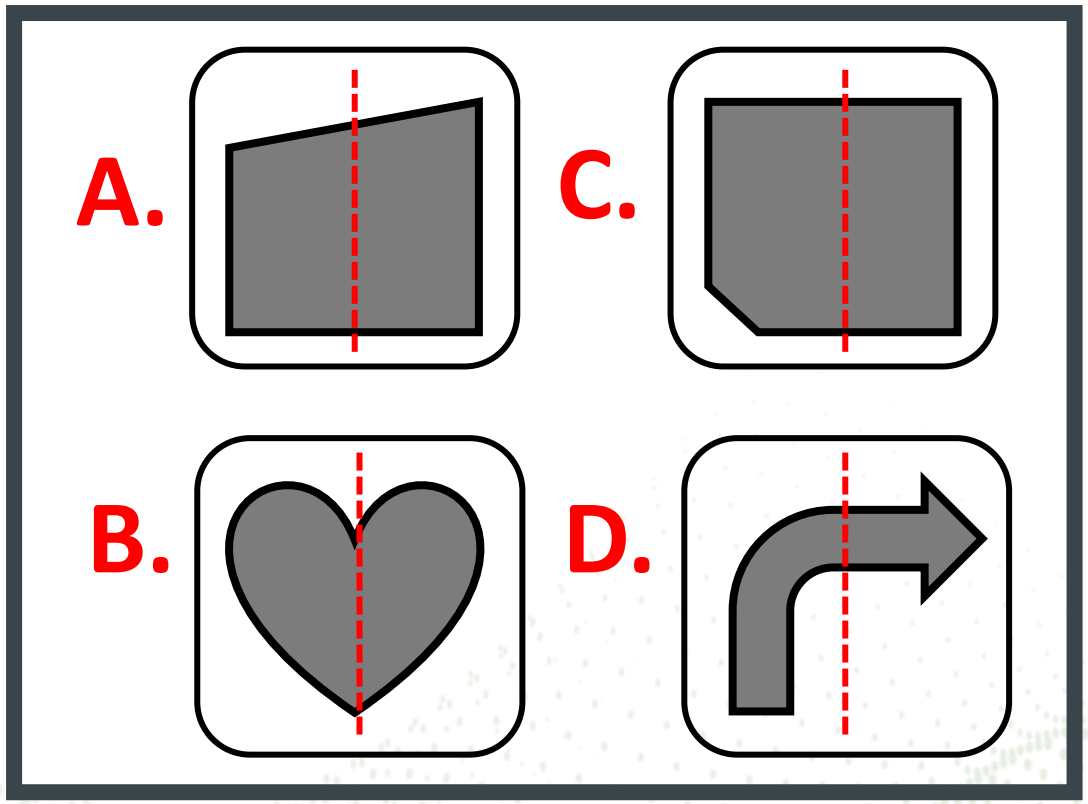
D. 

Which of the following does not belong to the group?

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Test Answer



- Always look for patterns
- All figures are considered asymmetrical, except for one.
- Heart is symmetrical.

- The correct answer is (B)

