

ETHIOPIA INSTITUTE OF TECHNOLOGY-
MEKELLE(EIT-M)

ARCHITECTURE AND URBAN PLANNING

Entrance Exam(preparation)
proposal

PREPARED BY

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2006 E.C

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EIT-M ARCHITECTURE EXAM CONTENT

1.Visualisation

2.Analytical

3.Memory

4.Reasoning and communication skill

Contents included in exam

1. Architectural IQ Question

- 1.1 Observation

- 1.2 Understanding

- 1.3 Contextual meaning

- 1.4 Relationship

2. Sketch

- 2.1 Fill omitted picture

- 2.2 Draw observed object

- 2.3 Draw memorized picture

- Discuss in brief this main topic

Students become successful in the exam,so fulfill the dream.

How do you understand
Architecture? Its meaning,
relevance, and its condition in
the contemporary world.

Q. What are the three primary colors?

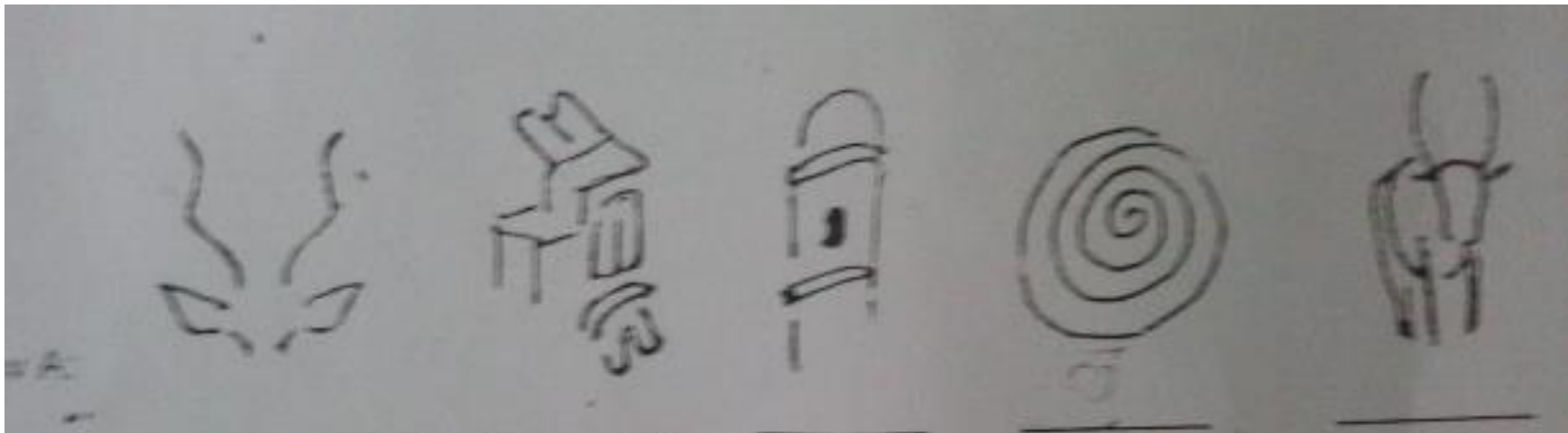
Imagine your family has acquired a new plot of land 15m*20m for a resident adjacent to an existing bar & restaurant with a night club. List three possible measures an architect of your new house would take to overcome the noise from the adjacent night club during the night.

A.

B.

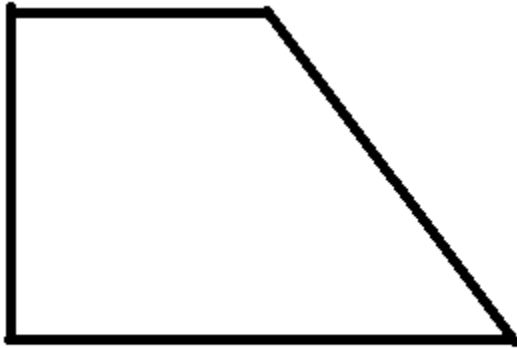
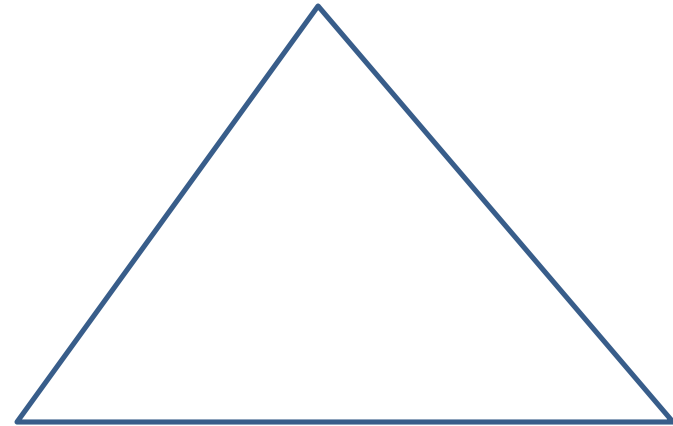
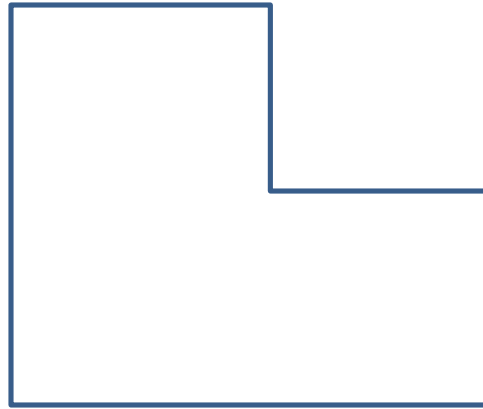
C.

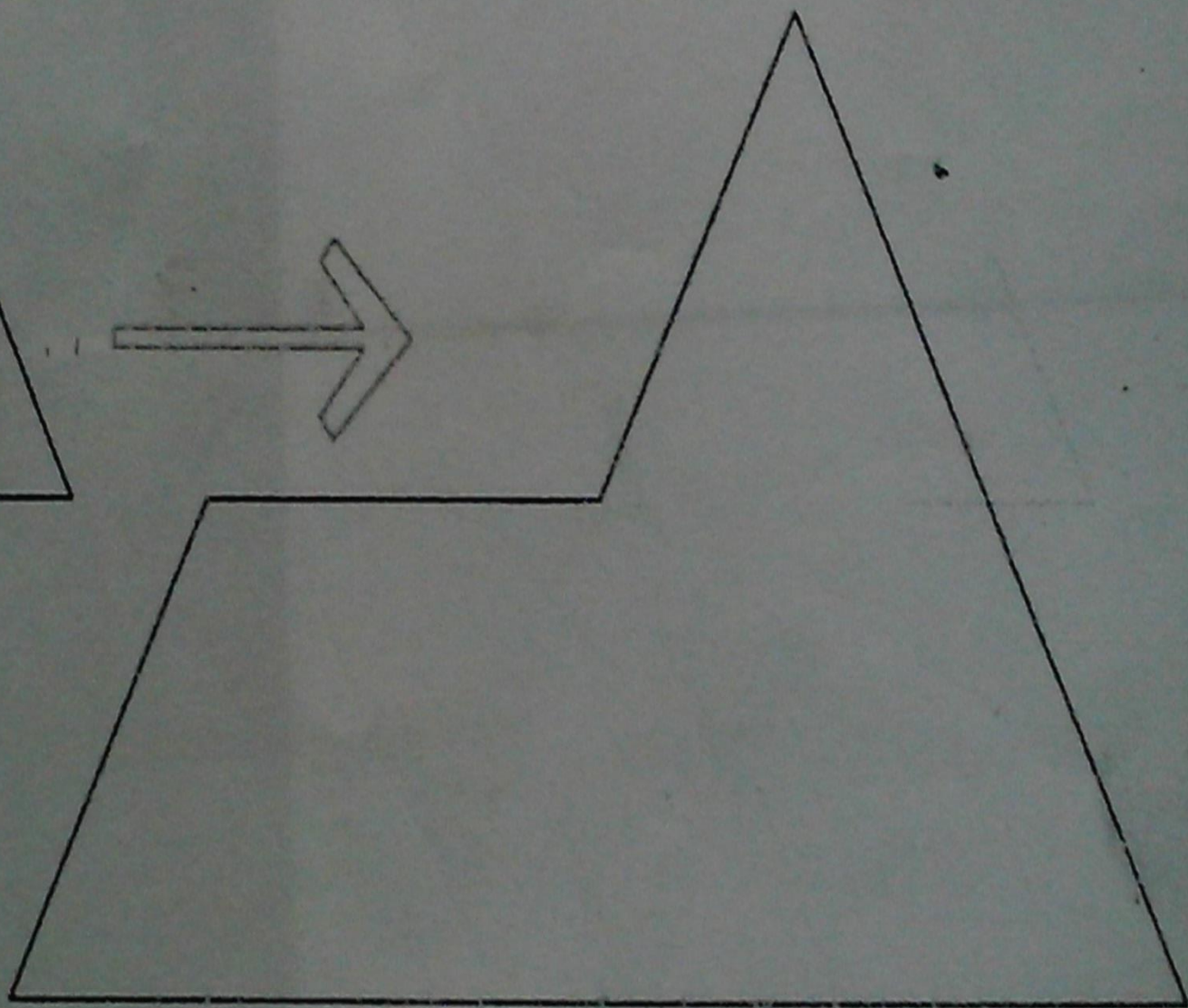
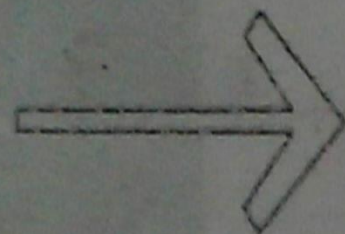
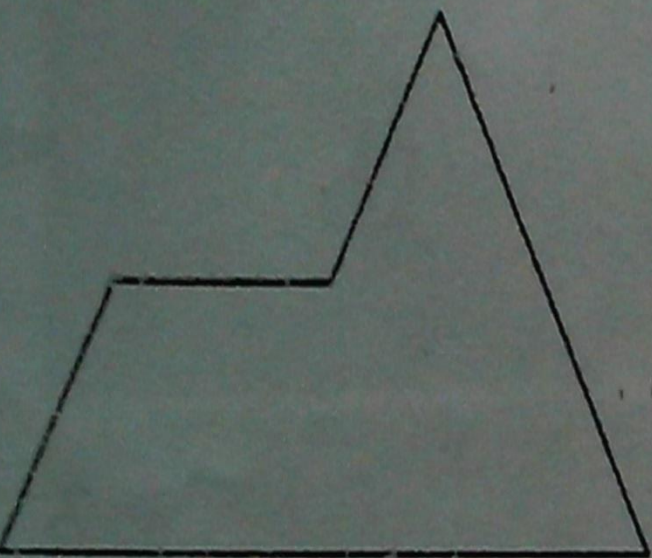
Match one item on row A with a related item on row B.



ᄀ ᄁ ᄂ ᄃ ᄄ ᄅ ᄆ ᄇ ᄈ ᄉ ᄊ ᄋ ᄌ ᄍ ᄎ ᄏ ᄐ
ᄑ ᄒ

.Create four identical element in the figure below with the same shape of the master figure.





.Assume you are standing inside a bottle of coca-cola and you eye level is at the English logo on the bottle. Sketch your view of the English logo?

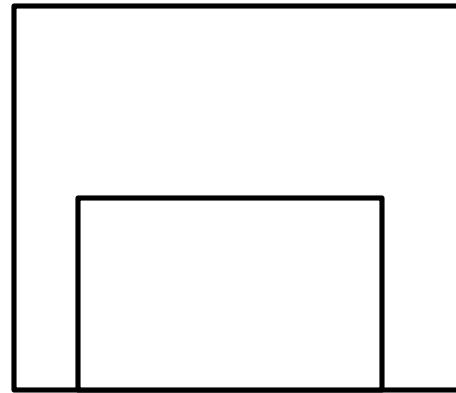
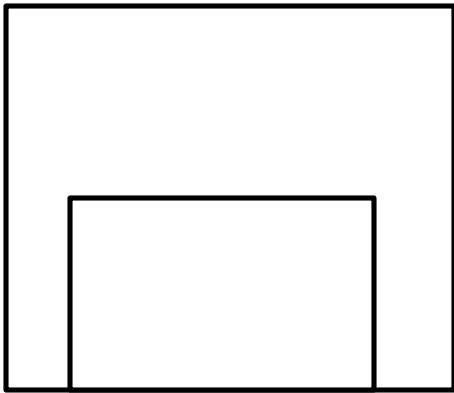
Coca-cola

Coca-cola

□ HOW MANY RECTANGLES ARE THERE ?



The two drawing below are two orthographic views of the three dimensional object with out any curved surface. The drawing at left is the front view and the drawing at the right is the top view. Work out shape of object.



Q. What color do you think should be mixed to produce?

A. RED and YELLOW

B. BLUE and YELLOW

C. GREEN and BLUE

D. BLUE and RED

ANS.

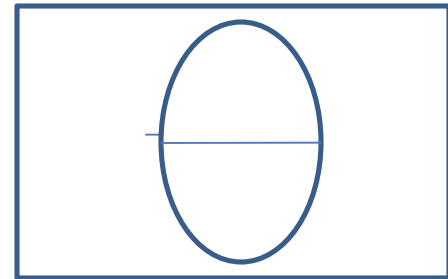
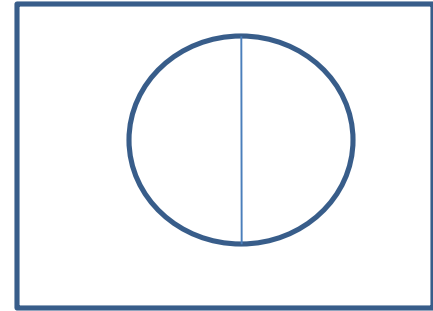
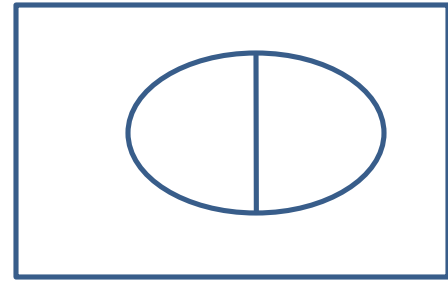
A.ORANGE COLOR

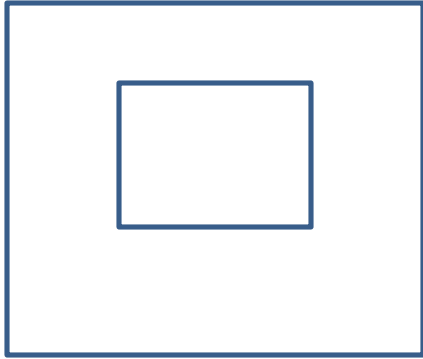
B.GREEN

C.GRAY

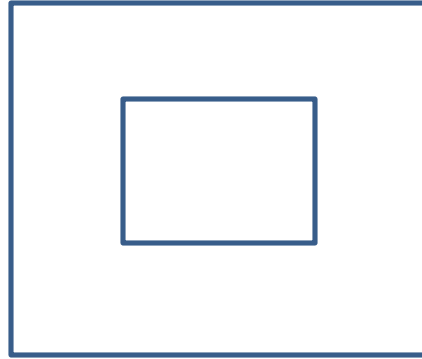
D.PURPLE

Continue the
figure





TOP

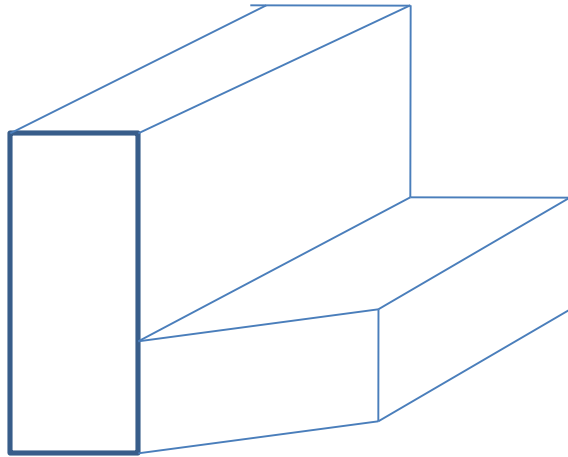


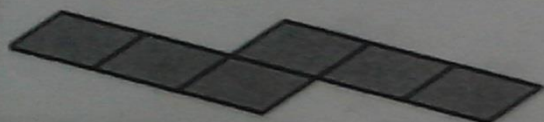
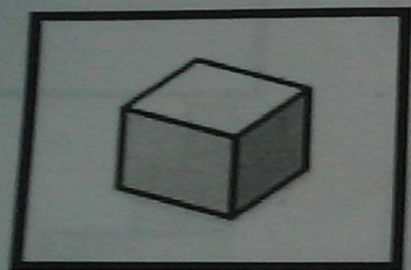
FRONT



SIDE

Sketch the development

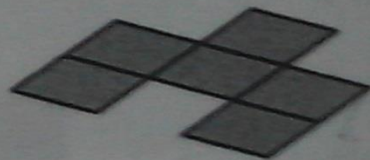




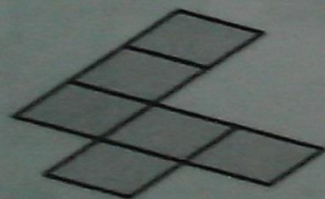
A



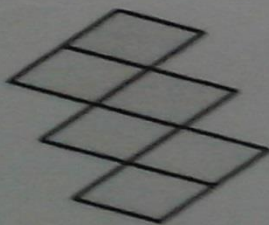
B



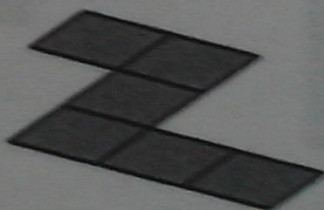
C



D



E



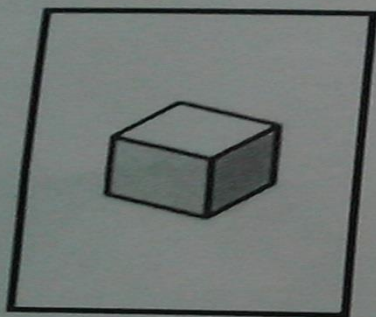
F



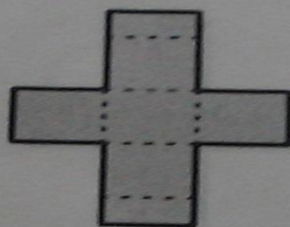
G

Architecture Entrance Exam

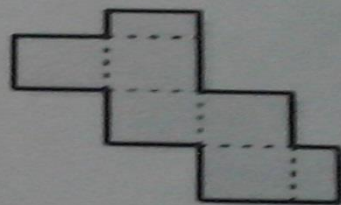
Wednesday 31st of October 2012



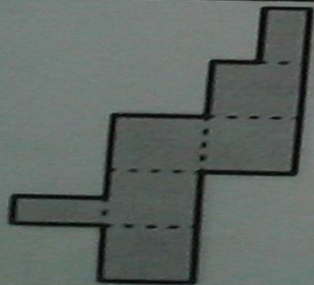
A



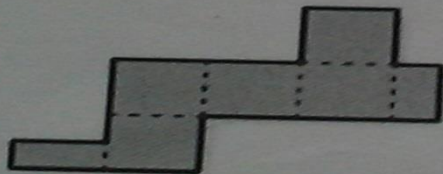
B



C



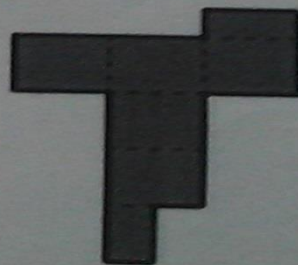
D

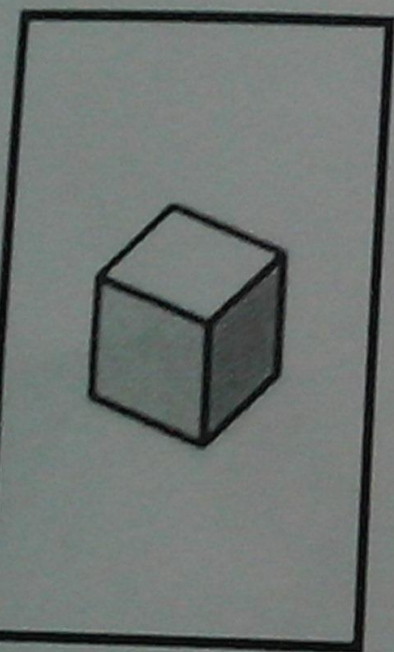


E

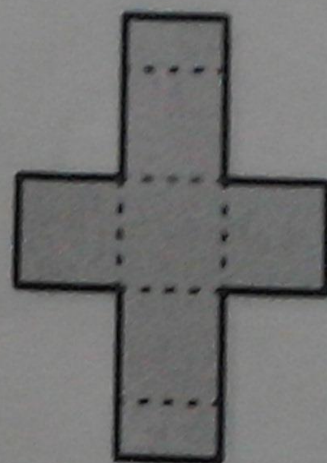


F

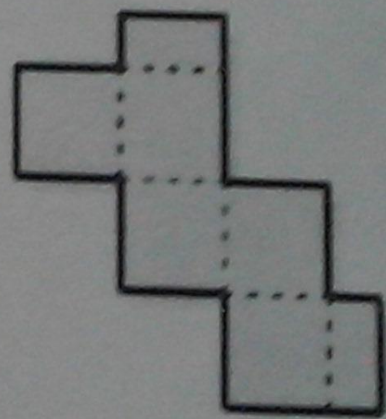




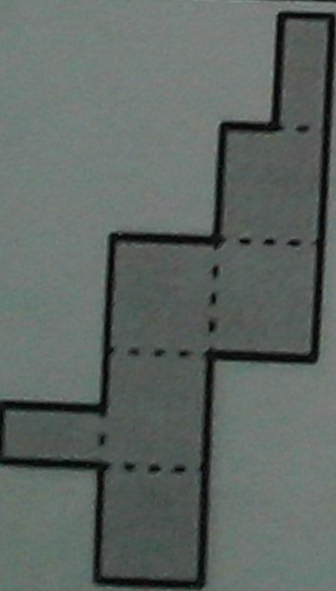
A



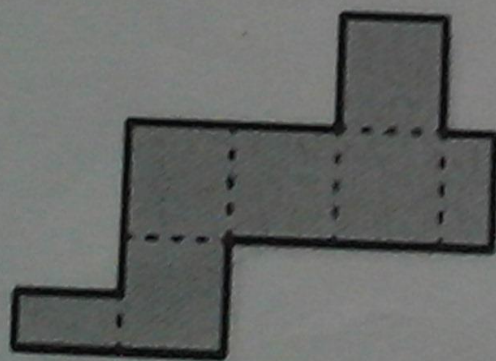
B



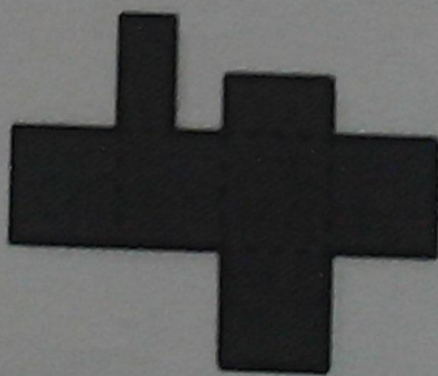
C



D

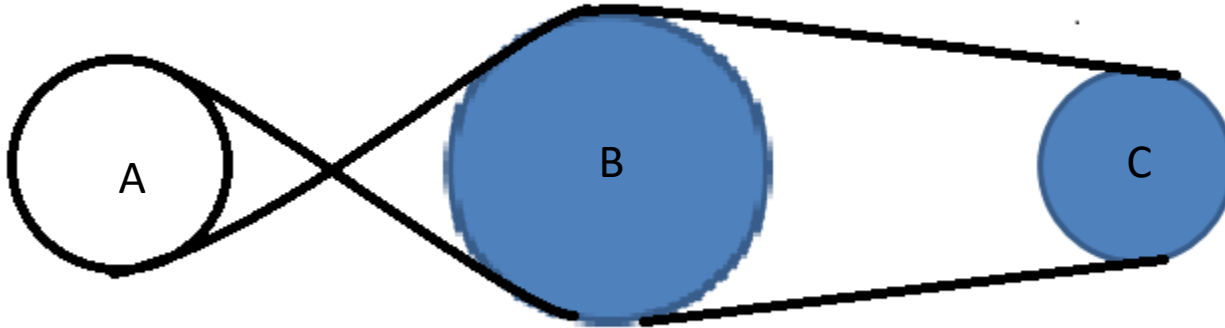


E



F

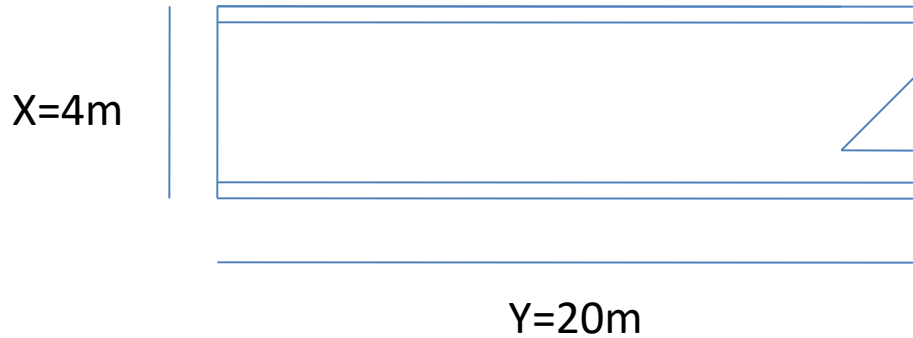




If pulley A is turning at 200 rpm and pulley C is the same size as pulley A. how fast pulley C turning?

- A.125 rpm B.250rpm C.200rpm D.500rpm

Consider a room of the proportion given below.



The oblong nature of the room could be psychologically improved without altering the dimensions of the room by using appropriate colors which would have the effect of visually pulling forwards walls X and pushing apart walls Y.

From the colors given below choose and indicate on the drawing the appropriate color for each wall to be used as a paint in order to produce the above effect.

A. Light yellow

B. Deep red

C. Deep orange

Q If a doctor gives you 3 pills and tells you to take one pill every half hour, how long would it be before all the pills had been taken?

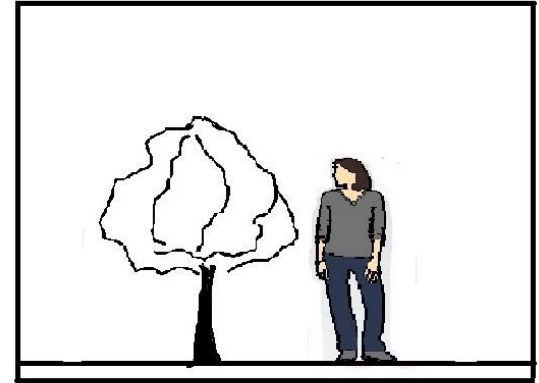
Q. Divide 30 by half
and add 10. What do
you get?



Q. Take 2 apples
from 3 apples.
What do you
have?

Arrange the tree
from the
smallest to the
biggest?

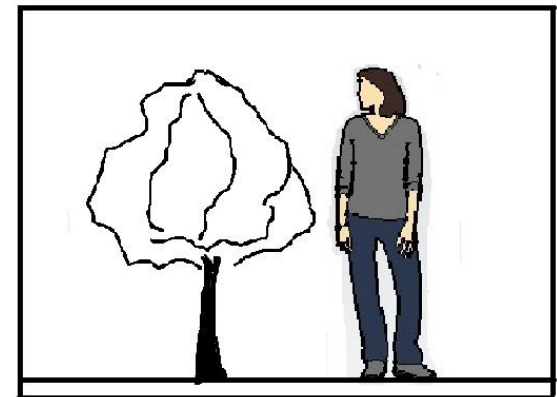
A.



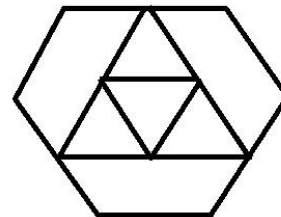
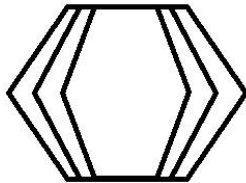
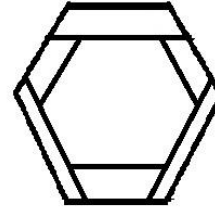
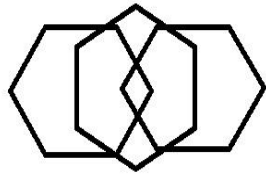
B.



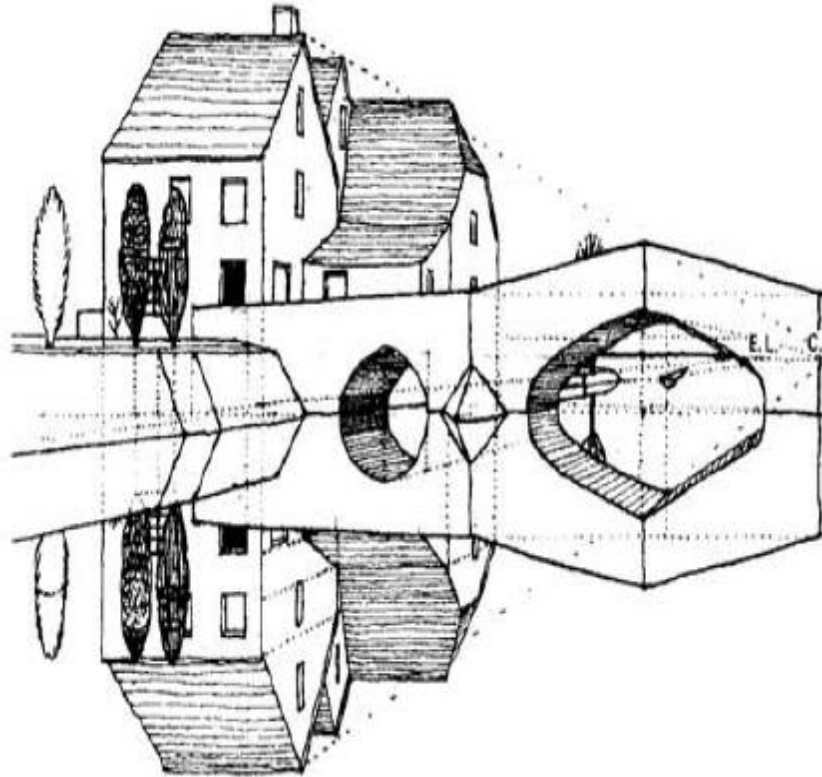
C.



Which one of the ff shapes cannot be formed by combining 3 equal sized hexagons?



Draw mirror image in water reflection?



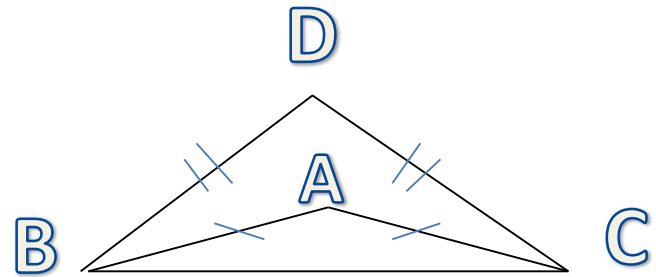
Choose the correct

$AB = AC$, $DB = DC$

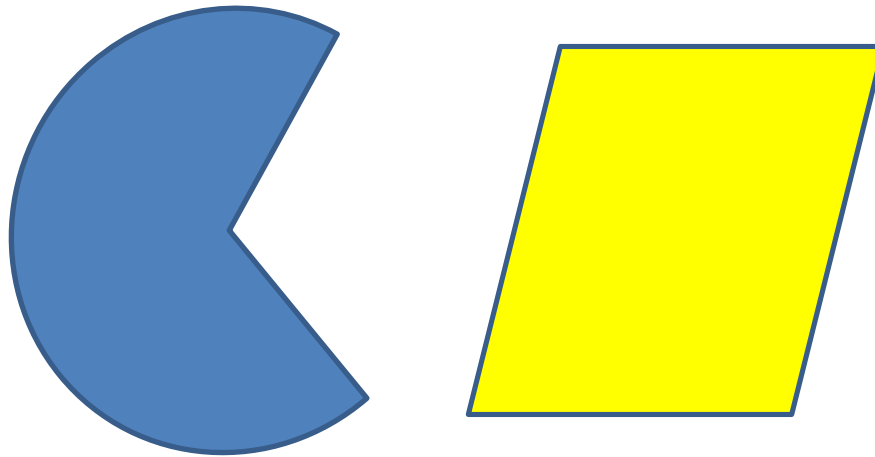
$\angle ABC = \frac{1}{2} \angle DBC$

$\angle BDC = 70$

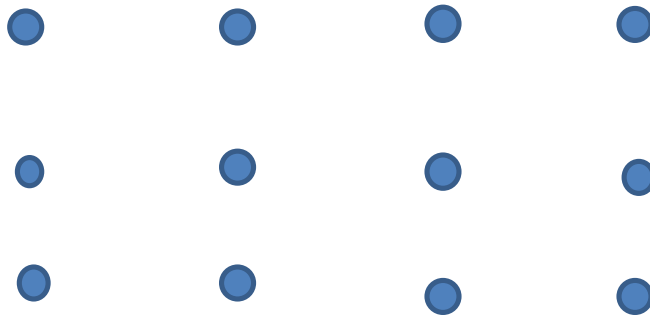
$\angle BAC = ?$



What is the result when we MIX blue
with yellow ?

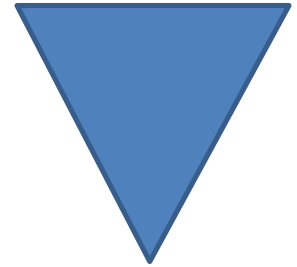
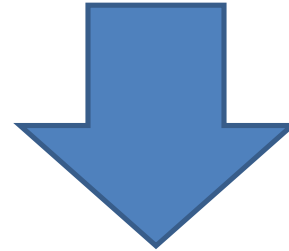
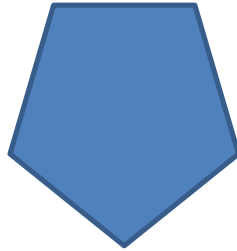
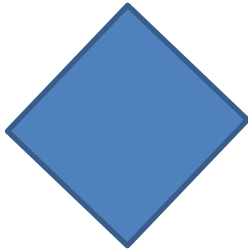


□ Connect each points using 5 straight lines pass through each point once.

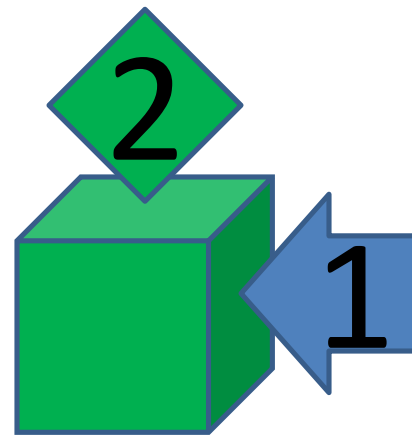
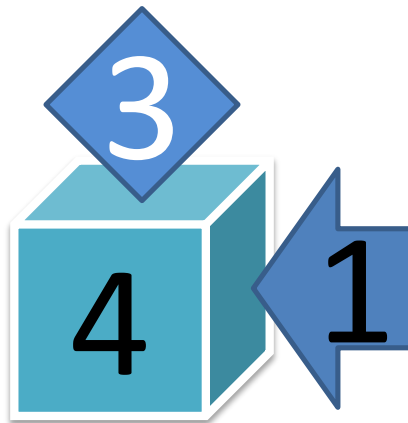
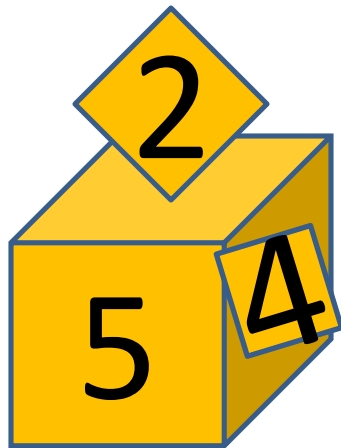




❑ What is the common on in the following shapes
?



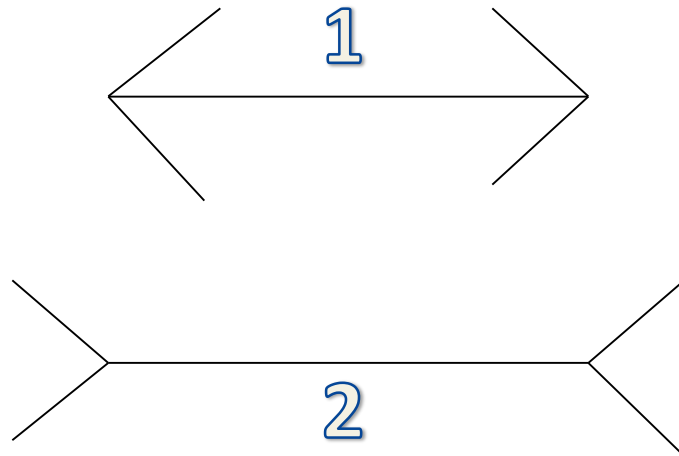
- Different views of the cube in each case, complete the blank sides with the missing figures?



❑ Divide the given L – shaped figure in to 4 equal size L – shape configuration.

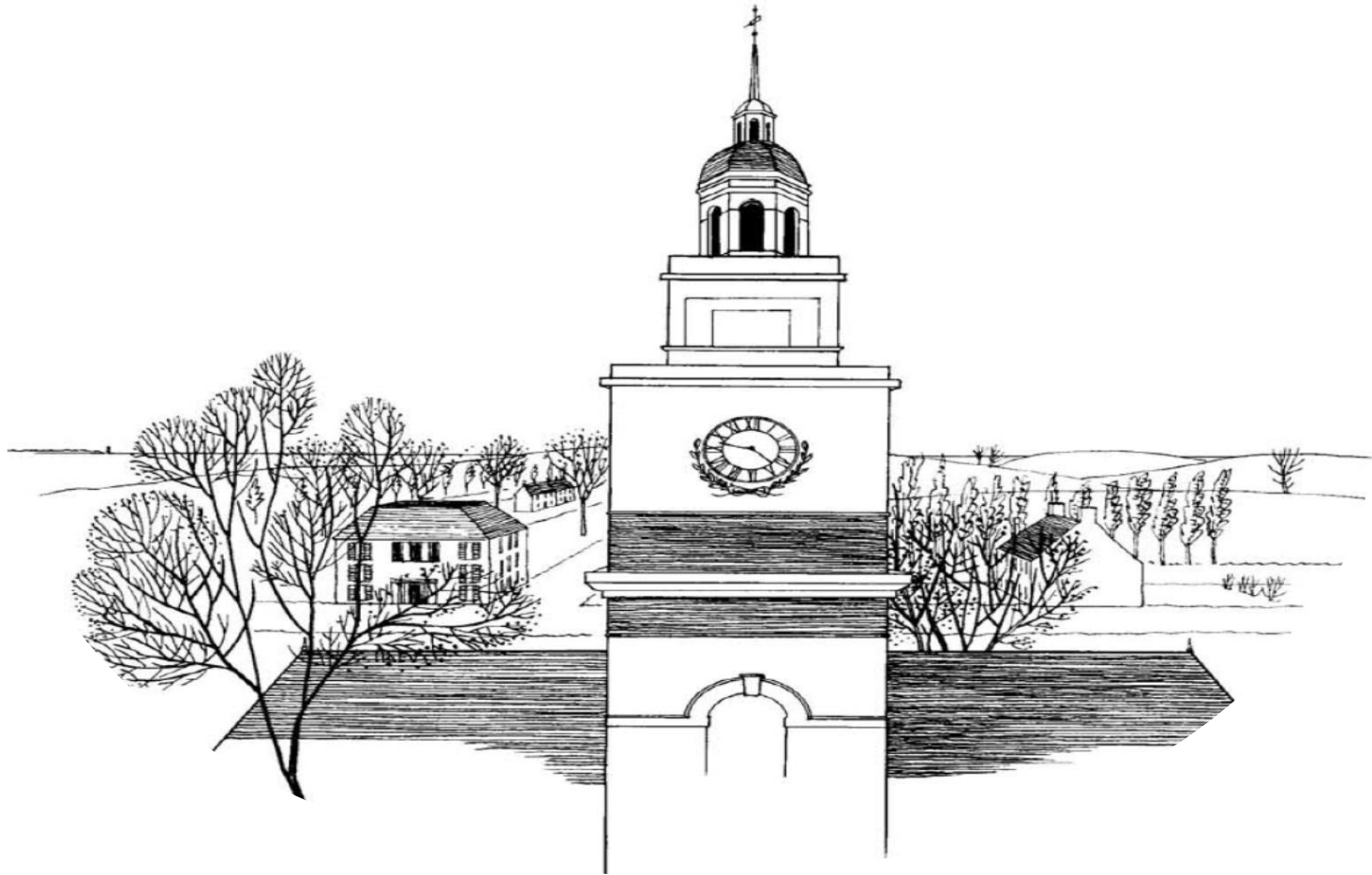


- Which line is longer?

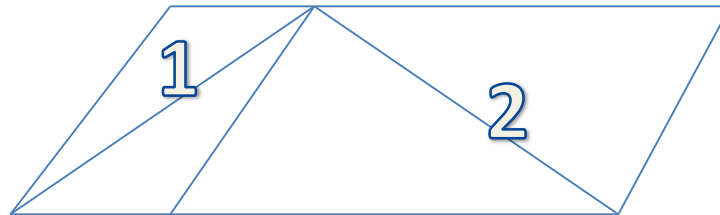


A.1 B.2 C. There are equal D. None

FILL OMITTED PICTURE



- Consider line 1 and 2 and determine which of the lines is longer ?



A.1

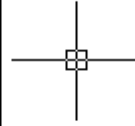
B.2

C. equal

D. none

ARCHITECTURE

ARCHITECTURE

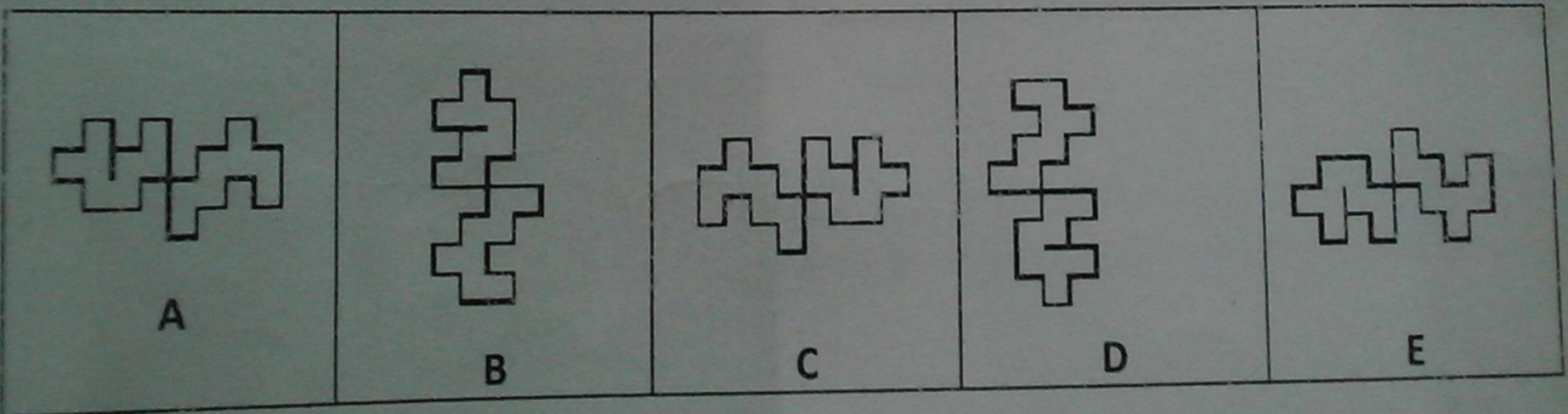
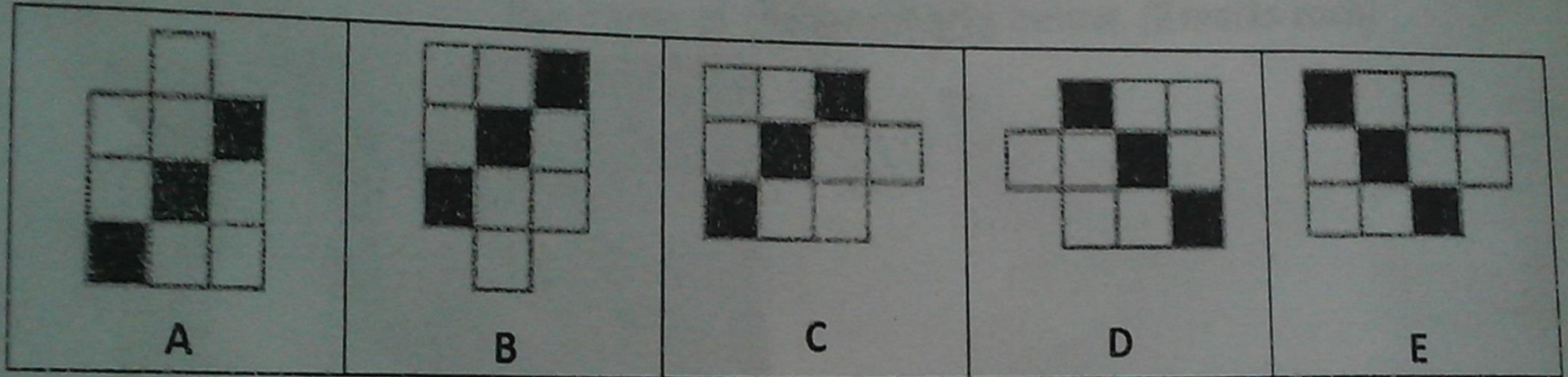


ARCHITECTURE

The lakeside windmills shown on the picture to the right are found at Kinderdijk in Holland what is missing in the picture?



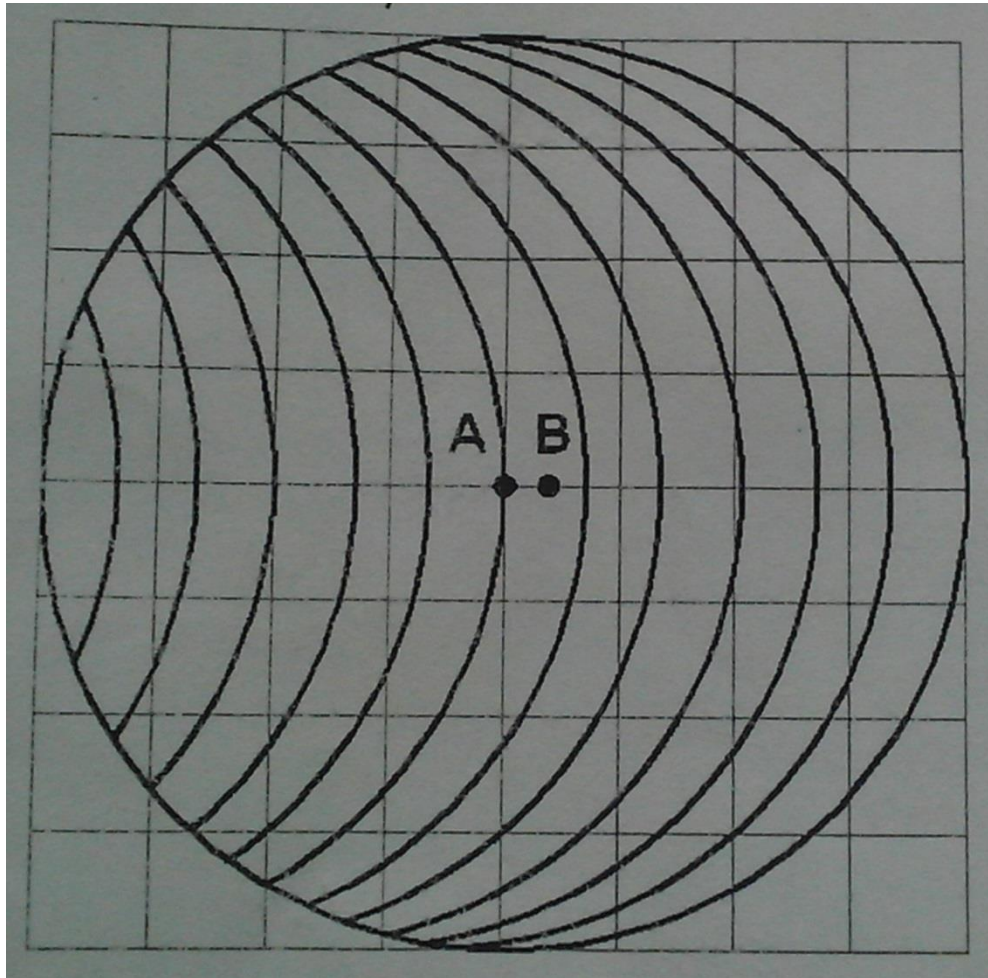
Choose the odd one(5mark)



What is your life philosophy?
(10mark)

How do you relate Isaac Newton with science of light? Explain your answer briefly in less than 6 sentences.6mark

Which one seems to be the real center center of the circle drawn over a square grid? A or B? make your opening assertive (say A or B) and discuss the reasons for the illusion if there is any.(8 mark)





The Little Mermaid
Denmark

US Capitol(USA)



CN Tower(canada)



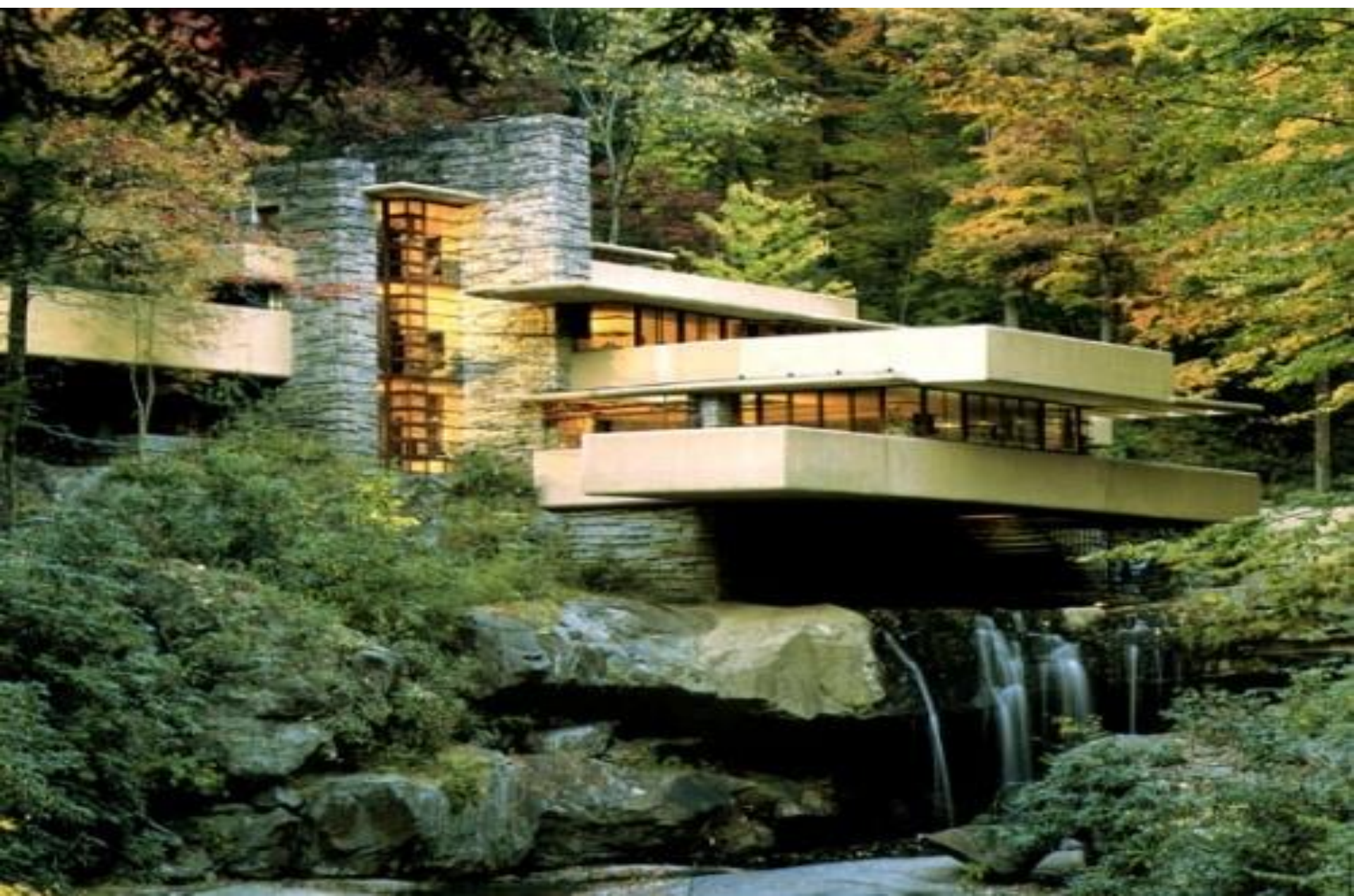
Colosseum(Rome)



Burj-al-Arab



Falling-Water(USA)



Petronas twin tower(Malaysia)



Sydney opera (Australia)



St.MARY(London)



Parthenon(Greek)





Pantheon(Rome)



Christ the Redeemer (Brazil)

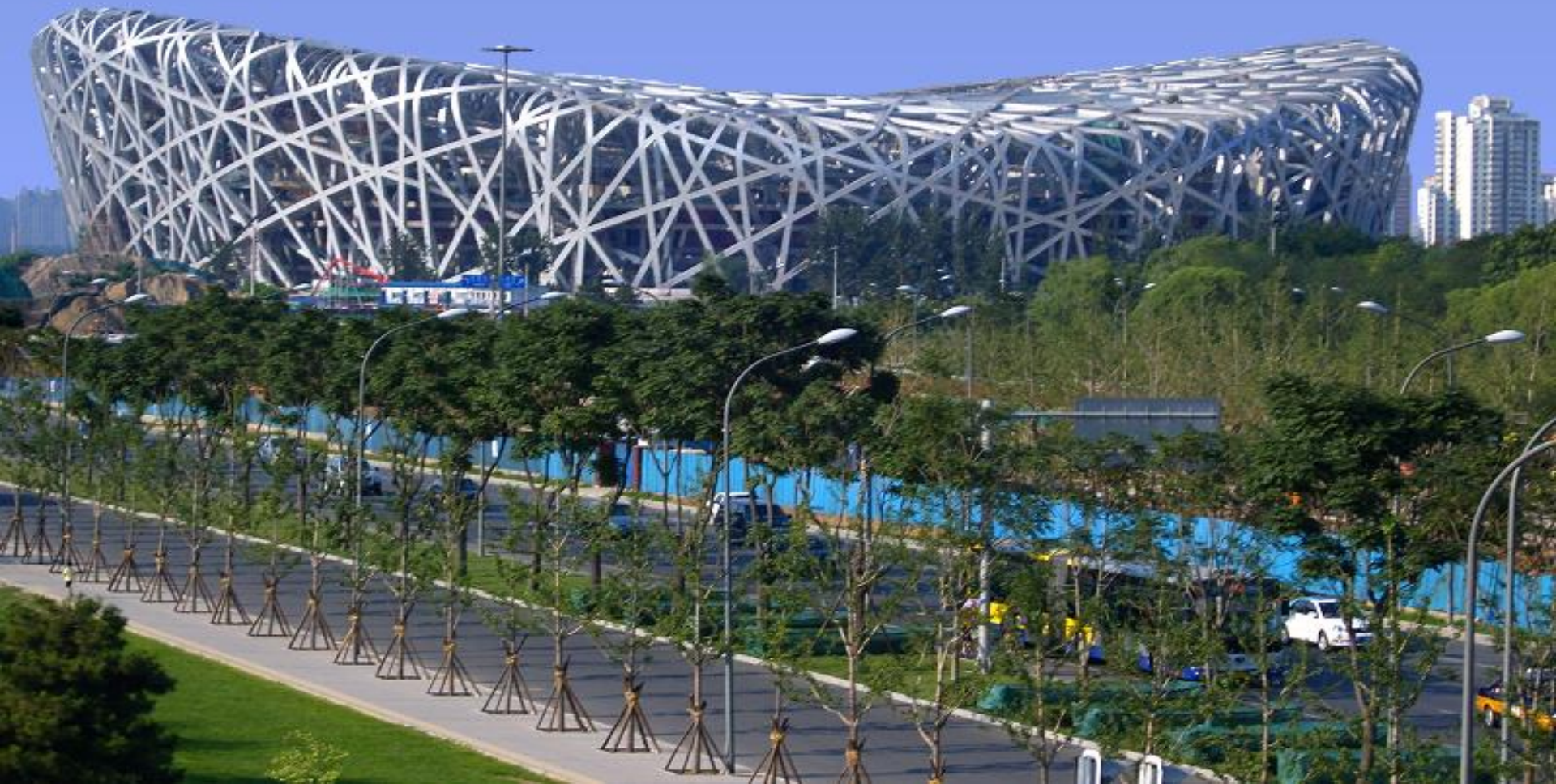


House of parliament(ENGLAND)



Bird Nest (china)

(c) kinabaloo.com



Big ben (England)



Eiffel Tower (FRANCE)



Forbidden City(CHINA)



Giza pyramids(Egypt)



Golden-gate-bridge(USA)



HagiaSophia(ISTAMBUL)



Jefferson-Memorial(USA)



LOUVRE (France)



Statue-liberty(USA)



St.basils(moscow)



Taj-Mahal(India)



Tower of Pisa(Italy)

