

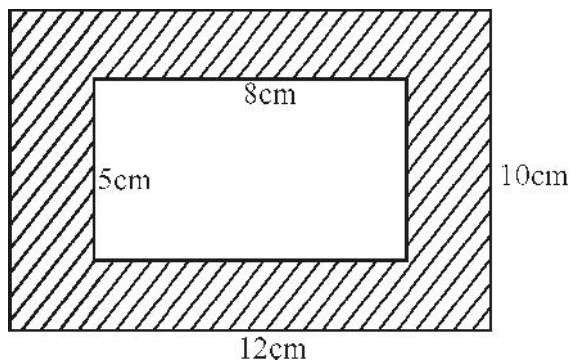


SANITIZER EXAM

MATHEMATICS

Time: 2hrs

- Write six million three hundred and sixty eight thousand one hundred and twenty nine in figures
A. 6368029
B. 630681029
C. 6368129
D. 6068029
- What is the total value of digit 2 in 6395210?
A. 2000
B. 200
C. Hundred
D. 20
- What is the Least Common Multile of 12, 15 and 18?
A. 90
B. 180
C. 145
D. 60
- What is the sum of the square of 23 and 15?
A. 255
B. 304
C. 754
D. 744
- Which one is not a recurring decimal fraction?
A. $\frac{1}{12}$
B. $\frac{1}{3}$
C. $\frac{9}{15}$
D. $\frac{1}{22}$
- Find the area of the unshaded part.



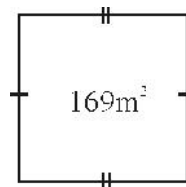
- A. 40cm^2
B. 120cm^2
C. 80cm^2
D. 160cm^2

- Work out**

$$\begin{array}{r} \text{km} \quad \text{m} \quad \text{cm} \\ 42 \quad 824 \quad 70 \\ + 18 \quad 695 \quad 93 \\ \hline \end{array}$$

- A. 24m 1281m 77cm
B. 61km 520cm 63cm
C. 23km 121m 73cm
D. 23km 128m 77cm

- Round off 715809 to the nearest thousand.
A. 71700
B. 716000
C. 717800
D. 716800
- The area of the figure below is 169m^2 . Find its perimeter.

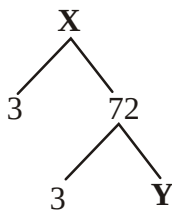


- A. 64m
B. 48m
C. 52m
D. 62m
- Arrange from the smallest to the largest
 $\frac{3}{5}, \frac{2}{3}, \frac{1}{2}, \frac{3}{4}$
A. $\frac{1}{2}, \frac{3}{5}, \frac{2}{3}, \frac{3}{4}$
B. $\frac{3}{5}, \frac{3}{4}, \frac{2}{3}, \frac{1}{2}$
C. $\frac{2}{3}, \frac{1}{2}, \frac{3}{4}, \frac{3}{5}$
D. $\frac{1}{2}, \frac{2}{3}, \frac{3}{4}, \frac{3}{5}$
 - Add** $83949 + 34625 + 25$
A. 128602
B. 19602
C. 118599
D. 118612
 - Subtract**
$$\begin{array}{r} 4207536 \\ - 879627 \\ \hline \end{array}$$

A. 5087163
B. 3327909
C. 4672111
D. 4427909



13. What are the values of x and y .



- | X | Y |
|--------|-----|
| A. 24 | 216 |
| B. 69 | 75 |
| C. 75 | 69 |
| D. 216 | 24 |

14. Vote buys 30 eggs per day. How many eggs does she buy in three weeks?
- A. 630 B. 27
- C. 33 D. 90
15. How many quarter litres are there in 5 litres?
- A. 15 B. 9
- C. 10 D. 20
16. In 2014 Dago primary school received 51002 books. In 2015 it received 204378 books. How many books did the school receive in the two years altogether?
- A. 253376
- B. 153376
- C. 255370
- D. 255380
17. **Work out**
- | Weeks | Days |
|-------|------|
| 4 | 9 |
| + 7 | 6 |
| | |
- A. 13 weeks
- B. 12 weeks
- C. 11 weeks 14 days
- D. 12 weeks 14 days
18. Write XLV in Hindu / Arabic numerals.
- A. 45 B. 40
- C. 65 D. 55
19. What is the number just before 8000?
- A. 6999
- B. 8999
- C. 7999
- D. 8001

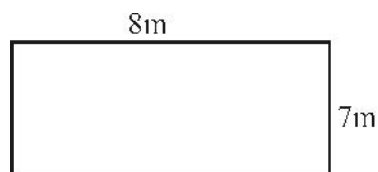
20. **Work out** $1481 + 27334 + 43822$

- A. 72537
- B. 85966
- C. 72637
- D. 62637

21. What is $\frac{1}{3}$ of 27?

- A. 81 B. 9
- C. 24 D. 30

22. Find the area of the figure drawn below.



- A. $56m^2$ B. 30m
- C. $30m^2$ D. 56m

23. The table below shows percentage passes of Ihiga-ini primary school in the K.C.P.E exams between 1997 and 2001.

Year	1997	1998	1999	2000	2001
Percentage result	63	51	57	72	60

In which year did the school perform poorest?

- A. 2001 B. 1998
- C. 2000 D. 1997

24. Change $\frac{23}{8}$ into mixed number.

- A. $3\frac{1}{8}$ B. $\frac{8}{23}$
- C. $1\frac{7}{8}$ D. $2\frac{7}{8}$

25. How many minutes are there in 4 hours?

- A. 240 B. 140
- C. 60 D. 28

26. **Subtract**

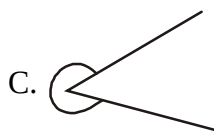
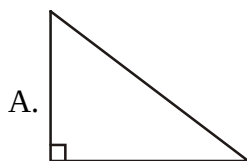
$$\begin{array}{r} 4379 \\ - 3382 \\ \hline \end{array}$$

- A. 7651
- B. 997
- C. 7761
- D. 1017



27. A box of chalk has 8 rows of chalk with 24 pieces in each row. How many pieces are in the box?
- A. 192 B. 172
C. 182 D. 32
28. Complete the statement
- $$\frac{1}{3} = \frac{3}{\square}$$
- A. 7 B. 9
C. 5 D. 6
29. There are three poles of the same length each is 4m 35cm long. What is the total length of the three poles?
- A. 13m 105cm
B. 13m 5cm
C. 8m 70cm
D. 12m 105cm
30. **Multiply** $5 \times \frac{3}{15}$
- A. 1 B. $\frac{2}{15}$
C. 2 D. $\frac{8}{15}$
31. **Work out** $21\frac{3}{7} + 3\frac{3}{4}$
- A. $25\frac{5}{28}$ B. 24
C. $24\frac{5}{28}$ D. $24\frac{6}{11}$
32. Express 120 as a product of prime factors.
- A. $2 \times 4 \times 15$
B. $2 \times 2 \times 2 \times 15$
C. $2 \times 2 \times 2 \times 3 \times 5$
D. 2×60
33. An odd number plus odd number gives
- A. odd number
B. even number
C. even odd number
D. prime number
34. How many millilitres (ml) are there in 40 litres?
- A. 400000ml
B. 40000ml
C. 4000ml
D. 400ml

35. Which of the following angles is a reflex angle?



36. Solve the following equation

$$20 + x = 37$$

A. $11\frac{7}{20}$

B. 740

C. 57

D. 17

37. What is the sum of all the prime numbers between 10 and 20?

A. 47

B. 49

C. 60

D. 75

38. The following are properties of a triangle:

(i) The interior angles add up to 180°

(ii) Two base angles are equal

(iii) Two sides are equal

Which of the following triangles has the above properties?

A. Isoscles triangle

B. Scalene triangle

C. Right angled triangle

D. Equilateral triangle

39. **Solve**

Litres ml

4 255

 4

A. 16l 259ml

B. 17l 020ml

C. 16l 1020ml

D. 16l 020ml



40. Which of the following numbers is not divisible by 8?

- A. 16056
- B. 86128
- C. 93264
- D. 48018

41. Find the square root of $3\frac{6}{25}$.

- A. $3\frac{3}{5}$
- B. $9\frac{36}{625}$
- C. $1\frac{4}{5}$
- D. $1\frac{7}{5}$

42. Write down the next two numbers in the series:

11, 13, 17, 19, 13, ____, ____

- A. 25, 29
- B. 31, 33
- C. 27, 29
- D. 29, 31

43. Find the LCM of

4, 8, 10

- A. 40
- B. 320
- C. 2
- D. 60

44. **Work out**

$$2\frac{1}{4} + 5\frac{1}{2}$$

- A. 7
- B. $7\frac{3}{4}$
- C. $7\frac{6}{8}$
- D. $7\frac{1}{2}$

45. **Work out**

$$0.0484 \div 0.04$$

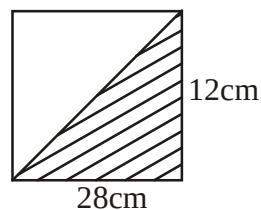
- A. 121
- B. 1.21
- C. 12.1
- D. 0.121

46. **Work out**

$$\frac{18}{54} \div \frac{3}{6}$$

- A. 6
- B. $1\frac{1}{2}$
- C. $\frac{1}{9}$
- D. $\frac{2}{3}$

47. Find the area of the shaded part in the figure drawn below.



- A. 84cm^2
- B. 80cm^2
- C. 336cm^2
- D. 168cm^2

48. Three boys weigh 42kg, 20kg and 60kg respectively. What is the total mass of three boys in grams?

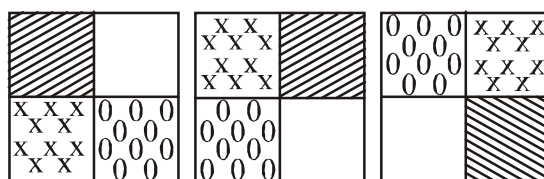
- A. 0.122 grams
- B. 122000 grams
- C. 11200 grams
- D. 122 grams

49. **Work out**

$$0.641 \times 2.3$$

- A. 14.743
- B. 14743
- C. 1.4743
- D. 0.14743

50. Find the next pattern



- A.
- B.
- C.
- D.