

**S****I****M****S**<sup>®</sup>**(SCHOLARS INTEGRAL MATHS & SCIENCE OLYMPIADS)****BIGGEST NATIONAL LEVEL OLYMPIADS (STAGE - II) : 2025-26****MAX. MARKS : 100****SIMO QUESTION PAPER****TIME: 60 MIN.**

NAME OF THE STUDENT : .....

HALL TICKET NUMBER : .....

NAME OF THE SCHOOL : .....

**INSTRUCTIONS:**

- ✦ This question paper consists of 25 questions.
- ✦ All questions are single correct answer type.
- ✦ Each question carries 4 marks and no negative marks.
- ✦ Check whether 25 questions printed or not.
- ✦ Read the instructions carefully given on the OMR sheet.
- ✦ Hand over OMR Sheet before leaving the exam hall.
- ✦ Retain Question paper with you.

**Single Correct Answer Type:**

$25 \times 4 = 100$

1. A Cycle travels at a speed of 45 km/hr. How far will it travel in 36 minutes ?

- 1) 27 km                      2) 20 km                      3) 36 km                      4) 45 km

2. Simplify the given expression.

$$3 + 7 \times (5 + 1) \div 3 - 2$$

- 1) 11                      2) 13                      3) 15                      4) 18

3. 24 cups of water are needed to fill  $\frac{3}{5}$  of a basin. How many cups are needed to fill

$\frac{1}{2}$  of basin ?

- 1) 15                      2) 35                      3) 20                      4) 40

4. What is the angle between two hands of the clock at 2 : 30 ?

- 1)  $100^\circ$                       2)  $105^\circ$                       3)  $120^\circ$                       4)  $110^\circ$

5. A radio was sold for ₹ 572 at a profit of ₹ 24. Find its cost price.

- 1) ₹ 596                      2) ₹ 558                      3) ₹ 548                      4) ₹ 580

6. Choose the average of the first five multiples of 6 ?

- 1) 90                      2) 60                      3) 18                      4) 15

7. 17, 19, D, 29, 31, K, 41 is a list of prime numbers in ascending order. What is the value of  $K - D$  ?

- 1) 60                      2) 37                      3) 23                      4) 14

8. Choose the correct option to fill in the blank.

$$41^\circ\text{F} = \text{_____}^\circ\text{C.}$$

- 1) 5                      2) 7                      3) 8                      4) 9

9. The smallest 4-digit number which is exactly divisible by 35 is \_\_\_\_\_.

- 1) 1001                      2) 1015                      3) 1025                      4) 1005

10. Choose the correct option to fill in the blank.

$$30\% \text{ of } 50 + 60\% \text{ of } 90 = \text{_____}.$$

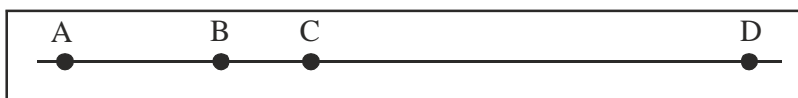
- 1) 69                      2) 90                      3) 140                      4) 6900

11. Identify the incorrect option.

| NUMBERS | L.C.M | H.C.F |
|---------|-------|-------|
| 12,30   | 60    | 6     |
| 7,15    | 105   | 7     |
| 18,72   | 72    | 18    |
| 11,13   | 143   | 1     |

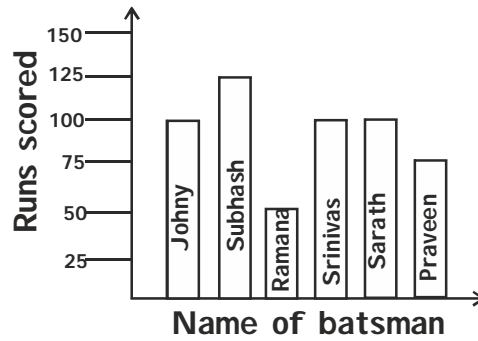
- 1) 12, 30                      2) 7, 15                      3) 18, 72                      4) 11, 13

12. If  $AC = 10$  cm,  $BD = 15$  cm,  $AD = 22$  cm in the given figure, what is the length of segment  $BC$  ?



- 1) 1 cm                      2) 2 cm                      3) 3 cm                      4) 4 cm

13. The given graph shows the runs scored by a batsman in a series.



How much more Johny scored than Praveen ?

- 1) 50                                      2) 25                                      3) 75                                      4) 100

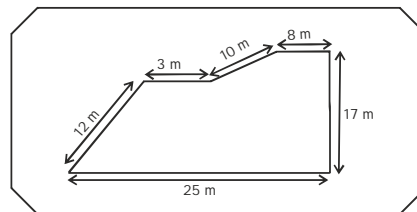
14. Place value of 0 in 36,04,85,298 is \_\_\_\_\_.

- 1) Ten lakhs                              2) Lakhs  
3) Zero                                      4) 6 crores

15. If 25 is added to three times a number the result is 70. What is the number ?

- 1) 45                                      2) 48                                      3) 15                                      4) 18

16. The given figure represents a field. Bharath jogged 5 rounds and walked 4 rounds along the perimeter of the field. What was the total distance Bharath walked and jogged ?



- 1) 520 m                                      2) 790 m  
3) 675 m                                      4) 450 m

17. If p is the LCM of 150 and 225, then the HCF of 3p and 5p is \_\_\_\_\_.

- 1) 150                                      2) 300                                      3) 450                                      4) 15

18. Find the value of  $\left(\frac{0.1}{0.01} + \frac{0.01}{0.1}\right)$ .

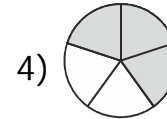
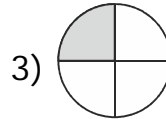
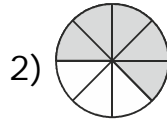
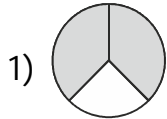
- 1) 10.1                                      2) 1.10                                      3) 1.01                                      4) 10.01

19. Find the missing number.

|   |     |   |
|---|-----|---|
| 3 | 25  | 4 |
| 7 | 113 | 8 |
| 6 | ?   | 8 |

- 1) 100                                      2) 140                                      3) 136                                      4) 125

20. Which of the following shows that three eights of the figure are unshaded ?



21. Which of the following are divisible by 4 and 8 ?

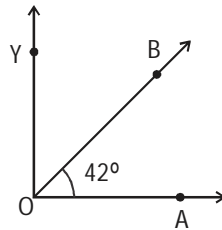
1) 35366

2) 35368

3) 35364

4) 1790084

22.  $\angle AOB$  is less than a right angle by



1)  $138^\circ$

2)  $48^\circ$

3)  $38^\circ$

4)  $328^\circ$

23. How much John paid for the cost of these articles ?

| Articles   | Chairs | Night Lamp | Paint Brush | Colours |
|------------|--------|------------|-------------|---------|
| Cost (Rs.) | 2876   | 98.75      | 23.50       | 234.05  |

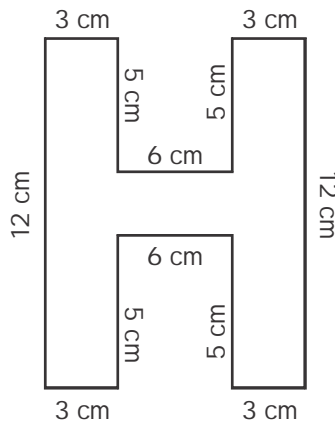
1) ` 3465.40

2) ` 3232.30

3) ` 3265.10

4) ` 3554.50

24. The perimeter of the following figure is\_\_\_\_\_.



1) 52 cm

2) 68 cm

3) 54 cm

4) 58 cm

25. If one  represents 5 bricks, then represent\_\_\_bricks.



1) 15

2) 4

3) 20

4) 9