



# SCHOLASTIC COUNCIL FOR ACADEMIC EXCELLENCE

## The All India Scholastic Quest Olympiads

Time: 1 hour

Scholastic Maths Olympiad – Class 5

Total Marks: 40

Paper Code: M-5401/17-18

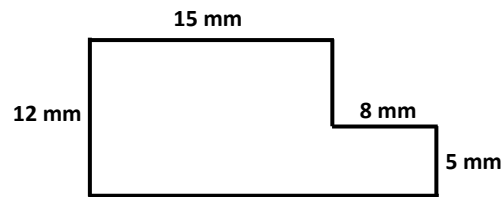
Total Pages: 4

1. Which of the following numbers is divisible by 4?

- A) 5234                      B) 1345                      C) 2326                      D) 5648

2. Find the perimeter of the adjoining figure.

- A) 60 mm                      B) 70 mm  
C) 76 mm                      D) 80 mm

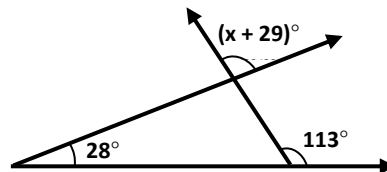


3.  $61980 - \square = 57941$

- A) 119921                      B) 119812                      C) 4039                      D) 4309

4. Find the value of  $x$  in the adjoining figure.

- A)  $48^\circ$                       B)  $52^\circ$   
C)  $54^\circ$                       D)  $56^\circ$



5. Mr Kumar bought a scooter for ₹ 65,000. During the first year, its value depreciated by 20%. What was the value of the scooter after one year?

- A) ₹ 48,000                      B) ₹ 50,000                      C) ₹ 52,000                      D) ₹ 52,500

6. The cost of 7 toys is ₹ 294. Find the cost of 12 toys.

- A) ₹ 504                      B) ₹ 510                      C) ₹ 514                      D) ₹ 516

7. A lawn is 41 m long and 28 m wide. If a gardener charges ₹ 25 per square metre to maintain the lawn, find the cost incurred to maintain the whole lawn.

- A) ₹ 27,400                      B) ₹ 28,700                      C) ₹ 28,400                      D) ₹ 29,200

8. Which of the following decimal fraction lies between 0.121 and 0.125?

- A) 0.1191                      B) 0.1258                      C) 0.1237                      D) 0.1267

9.  $(8 + 91 \div (17 - 4)) \times (54 \div 3 - 2 \times 5 - 3) = ?$

- A) 210                      B) 75                      C) 80                      D) 90

10. If  $\frac{7}{12}$ th of a number is 133, find the number.

- A) 224                      B) 228                      C) 240                      D) 264

11. What sum of money will give ₹ 9750 as simple interest in 3 years at 12.5% per year?

- A) ₹ 24,000                      B) ₹ 25,000                      C) ₹ 26,000                      D) ₹ 28,000

12. Find the digits in place of letters A, B, C in addition problem given below

- A) A=1, B=3, C=5
- B) A=5, B=2, C=5
- C) A=4, B=3, C=1
- D) A=5, B=3, C=1

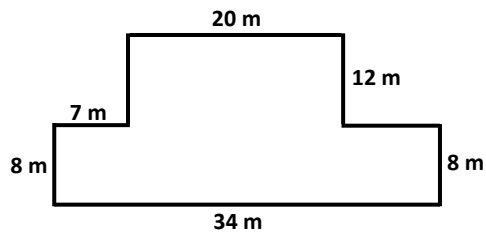
$$\begin{array}{r}
 1 \quad 2 \quad A \quad 7 \quad 7 \\
 + \quad B \quad 3 \quad 3 \quad 6 \quad 4 \\
 + \quad 2 \quad 9 \quad 5 \quad 8 \quad C \\
 \hline
 7 \quad 5 \quad 5 \quad 2 \quad 2
 \end{array}$$

13. A car consumed 14.6 litres petrol to cover a distance of 160.6 km. How much distance did it cover per litre?

- A) 11 km
- B) 11.5 km
- C) 12 km
- D) 12.5 km

14. Find the area of the following figure.

- A) 448 m<sup>2</sup>
- B) 486 m<sup>2</sup>
- C) 510m<sup>2</sup>
- D) 512 m<sup>2</sup>



15. There are 50 students in a class. If 14% are absent on a particular day, find the number of students present in the class.

- A) 14
- B) 28
- C) 43
- D) 42

16. When 13602 is divided by a number, the quotient is 215 and remainder is 57. Find the number.

- A) 63
- B) 61
- C) 65
- D) 59

17. In a hostel, 120 students consume 2160 kg of rice per month. How much rice will be consumed by 80 students in a month?

- A) 1380 kg
- B) 1440 kg
- C) 1460 kg
- D) 1520 kg

18. How much simple interest will be earned on ₹ 3200 at the rate of 7% per year for 15 months?

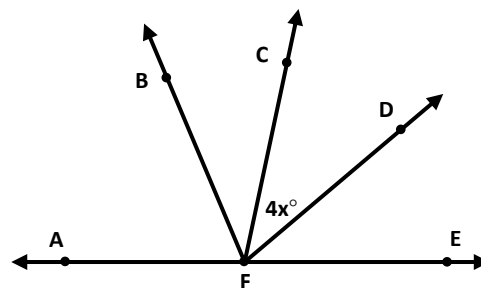
- A) ₹ 280
- B) ₹300
- C) ₹ 320
- D) ₹ 340

19. If  $7 \square 7 \square 7 \square 7 = 50$  ; Which sequence of operations is to be filled in the boxes so that the equation is correct?

- A) +, ×, -
- B) ×, +, ÷
- C) ÷, -, +
- D) +, ÷, ×

20. If  $\angle AFB = 67^\circ$ ,  $\angle BFC = 21^\circ$  and  $\angle DFE = 56^\circ$  find x.

- A) 6
- B) 7
- C) 8
- D) 9

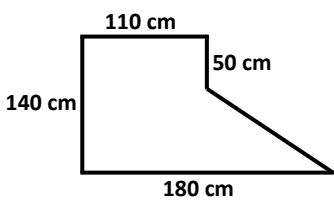


21. If the number 825\*231 is completely divisible by 9, then the smallest whole number in place of \* is \_\_\_\_\_

- A) 4
- B) 5
- C) 6
- D) 7

22. A man owned a rectangular field of 245 m length and 180 m width. In exchange for this field he wanted to buy a square field of the same area. What will be the side of the square field?

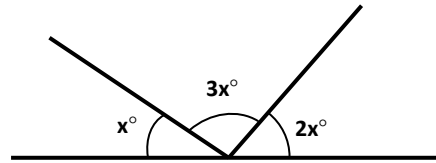
- A) 220 m
- B) 215 m
- C) 205 m
- D) 210 m

23. Find the sum of largest five-digit even number and largest two-digit prime number.  
 A) 100095                      B) 100096                      C) 100097                      D) 100098
24.  $3\frac{2}{11} \times 9\frac{3}{7} = ?$   
 A) 26                              B) 28                              C) 29                              D) 30
25. In triangle ABC,  $m\angle A = 52^\circ$ , and  $m\angle B = 76^\circ$ . What is the type of triangle?  
 A) Equilateral                      B) Obtuse                      C) Isosceles                      D) Scalene
26. Aryan had ₹ 1735 and withdrew ₹ 2500 from his bank account. He bought a wrist watch for ₹ 1534, two shirts for ₹ 675 each and 3 pairs of socks for ₹ 45 each. Determine how much money Aryan had at the end of the shopping day.  
 A) ₹ 1208                      B) ₹ 1216                      C) ₹ 1232                      D) ₹ 1236
27. In an examination, Akshay secured 332 marks. If he secured 83 % marks, find the maximum marks.  
 A) 400                              B) 450                              C) 500                              D) 600
28. Richard deposits ₹ 5400 and got back an amount of ₹ 6372 after 2 years. Find the rate of simple interest.  
 A) 7.5%                              B) 8%                              C) 9%                              D) 9.5%
29. A company has 284 employees working in different departments. The number of employees working in each department is the same. How many departments could the company have?  
 A) 3                                  B) 4                                  C) 5                                  D) 6
30. If you buy an e-book for ₹ 169.62 and download 8 songs for ₹ 3.29 each, what is the total amount you have spent?  
 A) ₹ 193.72                      B) ₹ 194.54                      C) ₹ 194.86                      D) ₹ 195.94
31. Find the area of following figure  
 A)  $18450 \text{ cm}^2$                       B)  $18480 \text{ cm}^2$   
 C)  $18520 \text{ cm}^2$                       D)  $18550 \text{ cm}^2$
- 
32. If two equal angles of an isosceles triangle are  $(3x - 15)^\circ$  and  $(2x + 12)^\circ$  then the third angle of this triangle is \_\_\_\_\_  
 A)  $48^\circ$                               B)  $50^\circ$                               C)  $52^\circ$                               D)  $55^\circ$
33. Rohan earns ₹ 8400 in a week. How much will he earn in 36 days?  
 A) ₹ 44200                      B) ₹ 43100                      C) ₹ 43200                      D) ₹ 43300
34. Rashid owns a shoe store in Mumbai. Whenever he orders a new style of shoe, he orders 5 pairs of that style in each of the most popular sizes. The most popular sizes are 6, 7, 8, 9, and 10. He also orders 3 pairs in size 5 and 3 pairs in size 11. For every new style, how many pairs of shoes does he need to order in total?  
 A) 28                                  B) 30                                  C) 31                                  D) 32
35. If  $A + 2029 - 1207 + 6140 = 8712$  ; what is the value of A?  
 A) 1790                              B) 1780                              C) 1760                              D) 1750

36. The length of a rectangle is twice its breadth and its perimeter is 78 cm. Find the length of the rectangle.  
A) 26 cm                      B) 27 cm                      C) 28 cm                      D) 29 cm

37. Find the value of  $x$  in the following figure.

- A) 30                              B) 25  
C) 60                              D) 40



38. A certain school has 120 teachers. If this constitutes 30% of its workforce, find the number of employees in the school.

- A) 300                              B) 350                              C) 400                              D) 500

39. The mass of a stone is 5 kg. The stone is twice as heavy as a book. The book is 5 times heavier than a ball. What is the mass of the ball?

- A) 400 g                              B) 500 g                              C) 550 g                              D) 600 g

40. The area of a square park is the same as of a rectangular park. If the side of the square park is 60 m and the length of the rectangular park is 90 m, find the breadth of the rectangular park.

- A) 35 m                              B) 36 m                              C) 38 m                              D) 40 m



<b>Mathematics 5th Paper Code: M-5401/17-18</b>							
1.	<b>D</b>	11.	<b>C</b>	21.	<b>C</b>	31.	<b>D</b>
2.	<b>B</b>	12.	<b>D</b>	22.	<b>D</b>	32.	<b>A</b>
3.	<b>C</b>	13.	<b>A</b>	23.	<b>A</b>	33.	<b>C</b>
4.	<b>D</b>	14.	<b>D</b>	24.	<b>D</b>	34.	<b>C</b>
5.	<b>C</b>	15.	<b>C</b>	25.	<b>C</b>	35.	<b>D</b>
6.	<b>A</b>	16.	<b>A</b>	26.	<b>B</b>	36.	<b>A</b>
7.	<b>B</b>	17.	<b>B</b>	27.	<b>A</b>	37.	<b>A</b>
8.	<b>C</b>	18.	<b>A</b>	28.	<b>C</b>	38.	<b>C</b>
9.	<b>B</b>	19.	<b>B</b>	29.	<b>B</b>	39.	<b>B</b>
10.	<b>B</b>	20.	<b>D</b>	30.	<b>D</b>	40.	<b>D</b>