

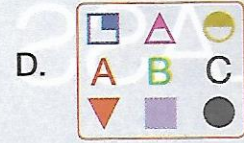
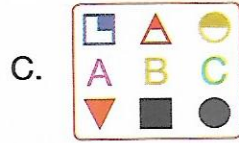
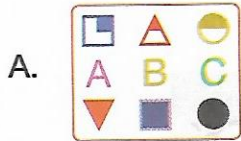
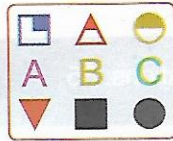




# LOGICAL REASONING

1. Which of the following figures is same as the Problem Figure?

Problem Figure

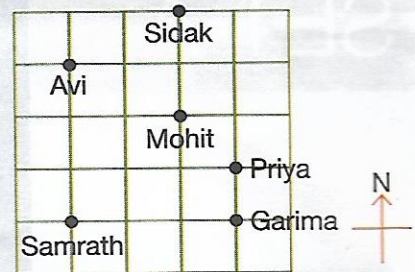


2. If the given clock is 33 minutes slow, then the correct time after 25 minutes will be \_\_\_\_\_.



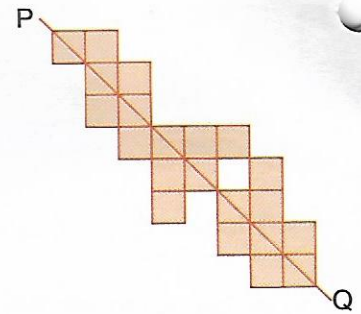
3. Who is standing to the South-West of Mohit?

- A. Samrath
- B. Sidak
- C. Priya
- D. Avi



4. What is the minimum number of squares that must be added so that the line PQ becomes a line of symmetry?

- A. 1
- B. 2
- C. 3
- D. 4



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5. Select the INCORRECT match.

A. 94 - 49

B. FISH - H2IF

C. 581 - 189

D. ★TL - JT★

6. Which of the following words can be formed from the letters of the given word?

MEASUREMENT

A. MASTER

B. MANTLE

C. SUMMIT

D. ASSURE

7. In a certain code language, the letters are coded as follows :

S	B	C	P	N	E	O	H	R	M
0	9	3	7	1	6	4	8	5	2

Find the code of the given word.

HORNS

A. 84519

B. 84510

C. 84518

D. 84517

8. Which of the following numbers will replace the question mark in the given number pattern?



A. 30

B. 35

C. 31

D. 36

9. Select a figure from the options which will complete the pattern in Figure (X).

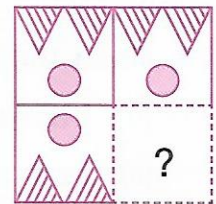
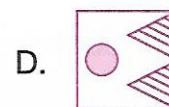
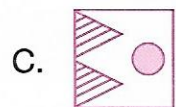
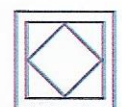
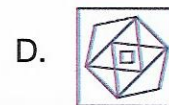
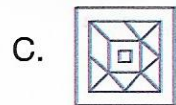


Figure (X)

10. In which of the following figures, the given Shape (X) is exactly embedded as one of its part?



Shape (X)

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## MATHEMATICAL REASONING

11. The adjoining list shows the names of the students who are in the Environmental Club.

**Students in the Environmental Club**

Ananya	Jesha
Sanya	Mrinal
Mohit	Sidak
Mehul	Parul

What fraction of names are starting with alphabet M?

- A.  $\frac{2}{8}$                       B.  $\frac{3}{8}$                       C.  $\frac{1}{8}$                       D. 0
- 
12. Find the difference between the smallest and the largest five digit number formed by the digits 8, 6, 9, 4, 3 using each digit only once.

- A. 63954                      B. 61595                      C. 69243                      D. 66164
- 

13. The costs of Notebook, Bag, Pencil box and Paper clip are given in the box.

What is the total cost of a Paper clip, a Bag and a Notebook?

- A. CCLXVI  
B. CXV  
C. CCXLVI  
D. CCXLI

Notebook	₹ LXXXVI
Bag	₹ CLV
Pencil box	₹ LXVII
Paper clip	₹ XXV

---

14. Read the following statements and identify the number.

- (i) I am a 2-digit even number.  
(ii) I am a common multiple of both 6 and 7.  
(iii) I have a total of 8 factors.

- A. 43                      B. 35                      C. 42                      D. 84
- 

15. The sum of two numbers is six lakh forty nine thousand seven hundred twelve. One of the numbers is 4,93,700. Find the other number.

- A. 1,40,721                      B. 1,56,012                      C. 1,50,120                      D. 1,57,067
- 

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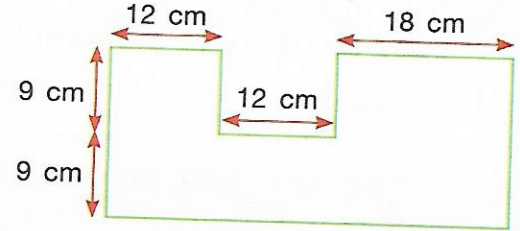


16. If + = 19 kg, + + + + + + + + = 94 kg and + = 22 kg, then the weight of = ?.

- A. 4 kg                      B. 3 kg                      C. 2 kg                      D. 5 kg

17. Find the perimeter of the given figure.

- A. 160 cm  
B. 142 cm  
C. 138 cm  
D. 130 cm



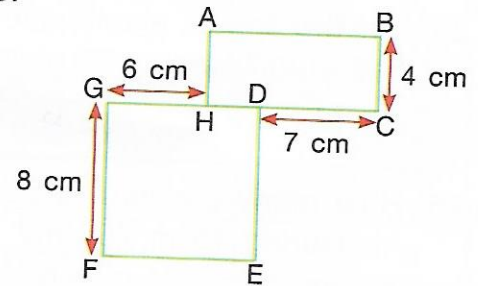
18. If the letter \_\_\_\_\_ is removed from the letters given below, the dotted line will be a line of symmetry.

-E-H-I-J-

- A. E                      B. H                      C. I                      D. J

19. The given figure is made up of a rectangle and a square. Find the length of AB.

- A. 11 cm  
B. 9 cm  
C. 10 cm  
D. 15 cm



20. What is the difference between the total number of members in the basketball club in 2015 and 2016?

- A. 1587  
B. 1008  
C. 1597  
D. 2205

Members of Basketball Club		
	2015	2016
Men	3205	2804
Women	4801	6408
Boys	1600	2000
Girls	2405	1807

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21. For a wedding the decorators have to fix 1250 flowers in the hall. If they had already fixed 985 flowers, how many more flowers do they have to fix?  
 A. 270                      B. 265                      C. 272                      D. 358
- 
22. A farm has 437 rows of mango trees with 108 trees in each row. How many mango trees are there in the farm?  
 A. 48196                      B. 57301                      C. 47196                      D. 52305
- 
23. The parade at the carnival started at 5:25 p.m. and finishes at 7:20 p.m. What was the duration of the parade?  
 A. 1 hr 55 mins              B. 1 hr 50 mins              C. 1 hr 30 mins              D. 2 hrs 40 mins
- 
24. The distance between Riya's home and school is  $4\frac{3}{10}$  km and that of Raju's is  $1\frac{1}{5}$  km. How much more distance does Riya need to cover than Raju to reach school everyday?  
 A.  $3\frac{2}{3}$  km                      B.  $5\frac{1}{2}$  km                      C.  $4\frac{1}{10}$  km                      D.  $3\frac{1}{10}$  km
- 
25. For the annual examination 1176 children were made to sit in 21 rooms. If every room had equal number of children, find the number of children sitting in one room.  
 A. 60                              B. 56                              C. 54                              D. 42
- 
26. How many pieces of ribbon, measuring 45 cm each, can be cut from a roll of ribbon measuring 15 m 75 cm?  
 A. 45                              B. 35                              C. 65                              D. 77
- 
27. A gardener plans to plant 4600 trees in 23 rows, each containing the same number of trees. How many trees will there be in each row?  
 A. 200                              B. 400                              C. 300                              D. 250
- 
28. I went for a journey with ₹ 32700. On the first day I spent ₹ 12350, on the second day ₹ 5980, and on the third day ₹ 10798. How much money do I have now?  
 A. ₹ 3500                      B. ₹ 3672                      C. ₹ 3572                      D. ₹ 4672

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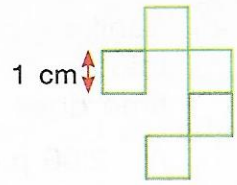






33. How many more squares of side 1 cm must be added to the given figure to form a square of side 5 cm?

- A. 9  
B. 11  
C. 20  
D. 25



34. Find  $P - Q + R \div S$ .

- A. 4  
B. 2  
C. 0  
D. 5

$$\begin{array}{r}
 \overline{3P} \overline{328} \\
 23 \overline{) 789546} \\
 \underline{-69} \phantom{0} \phantom{0} \phantom{0} \\
 99 \phantom{0} \phantom{0} \phantom{0} \\
 \underline{-92} \phantom{0} \phantom{0} \phantom{0} \\
 75 \phantom{0} \phantom{0} \phantom{0} \\
 \underline{-69} \phantom{0} \phantom{0} \phantom{0} \\
 64 \phantom{0} \phantom{0} \phantom{0} \\
 \underline{-Q6} \phantom{0} \phantom{0} \phantom{0} \\
 1R6 \phantom{0} \phantom{0} \phantom{0} \\
 \underline{-184} \phantom{0} \phantom{0} \phantom{0} \\
 S
 \end{array}$$

35. Match the following.

Column-I

Column-II

- |   |           |
|---|-----------|
| (i) When number $x$ is multiplied by 10 and then divided by 4, the result is 390. Then, $x$ is        | (p) 1344  |
| (ii) There are 56 crates of oranges. Each crate contains 24 oranges. Number of oranges altogether are | (q) 156   |
| (iii) Subtract 3987 from the sum of 4687 and 28080.   | (r) 216   |
| (iv) The product of second multiple of 9 and 12 is  | (s) 28780 |
- A. (i)  $\rightarrow$  (p), (ii)  $\rightarrow$  (q), (iii)  $\rightarrow$  (r), (iv)  $\rightarrow$  (s)  
 B. (i)  $\rightarrow$  (q), (ii)  $\rightarrow$  (p), (iii)  $\rightarrow$  (s), (iv)  $\rightarrow$  (r)  
 C. (i)  $\rightarrow$  (q), (ii)  $\rightarrow$  (p), (iii)  $\rightarrow$  (r), (iv)  $\rightarrow$  (s)  
 D. (i)  $\rightarrow$  (q), (ii)  $\rightarrow$  (s), (iii)  $\rightarrow$  (p), (iv)  $\rightarrow$  (r)

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