



# SAMPLE PAPER

## SECTION I : LOGICAL REASONING

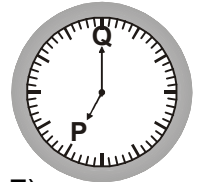
1. A man walks 3 km towards south and then turns to the right. After walking 5 km he turns to the left and walks 4 km. In which direction is he from the starting point ?

- (A) West                      (B) South                      (C) North-east                      (D) South-west

2. Which of the following is false ?

- (A) 15 → XV                      (B) 19 → XIX                      (C) 25 → XVX                      (D) 30 → XXX

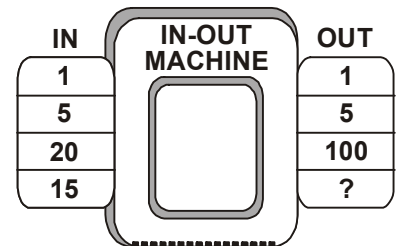
3. When X got ready for school, he looked at the clock. He saw that the position of hour hand is at P and minute hand at Q. The position of P and Q respectively, is \_\_\_\_.



- (A) (8, 12)                      (B) (7, 12)                      (C) (6, 12)                      (D) (12, 7)

4. Which number will replace the (?) in IN-OUT machine ?

- (A) 200  
(B) 300  
(C) 400  
(D) 500



5. Priya and Raj are collecting stamps. They have 5 stamps each. Rohit gave 7 more stamps to each of them. If Rohit is left with 12 stamps, how many stamps did he have before?

- (A) 19                      (B) 27                      (C) 26                      (D) 25

6. Which pair of numbers best completes the equation?

$$\square + 100 = \bigcirc$$

- (A) 95 and 950    (B) 9500 and 95    (C) 905 and 9500    (D) 950 and 9005

7. Look at the given pattern :

14, 42, 70, 98, 126,    ?

What number should come next in the pattern ?

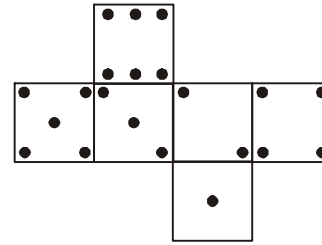
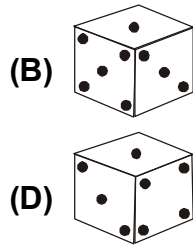
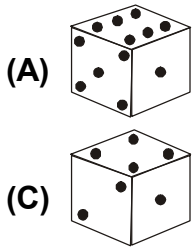
- (A) 217                      (B) 210                      (C) 126                      (D) 154

8. P is greater than Q.  
R is greater than P.  
Q is greater than R.

If the first two statements are true, the third statement is \_\_\_\_.

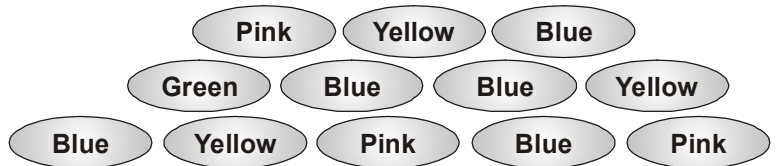
- (A) True                      (B) False                      (C) Uncertain                      (D) None of these

9. Which of the following cubes does the given net makes ?



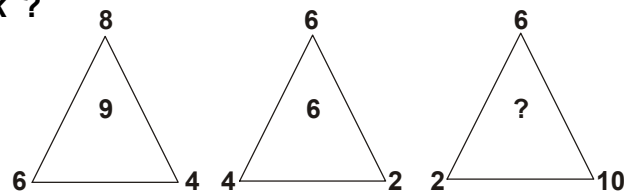
10. The picture shows all the candy that will be placed in a machine. Each time the handle on the machine is pulled, 1 candy comes out. Alisha will pull the handle on the machine. Which colour of candy is most likely to come out?

- (A) Green
- (B) Blue
- (C) Pink
- (D) Yellow



11. Which number replaces the question mark ?

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



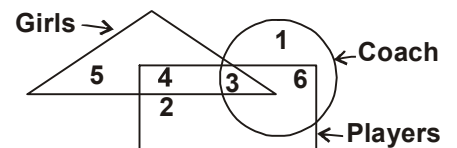
12. Arrange the words given below in a meaningful sequence.

1. Fruit 2. Leaf 3. Flower 4. Stem 5. Root

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

13. In the given figure, triangle represents 'girls', rectangle represents 'players' and circle represents 'coach'. How many girls are players but not coach?

- (A) 4
- (B) 2
- (C) 5
- (D) 6



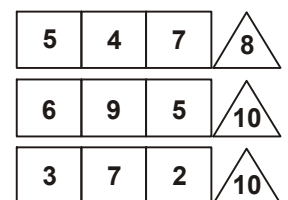
14. What is the largest seven-digit number that can be formed using the given below digits ?

0, 7, 2, 4, 9, 8, 3

- (A) 9874320
- (B) 0987432
- (C) 9874302
- (D) 9820347

15. What is the difference between the sum of all the squares and all the triangles ?

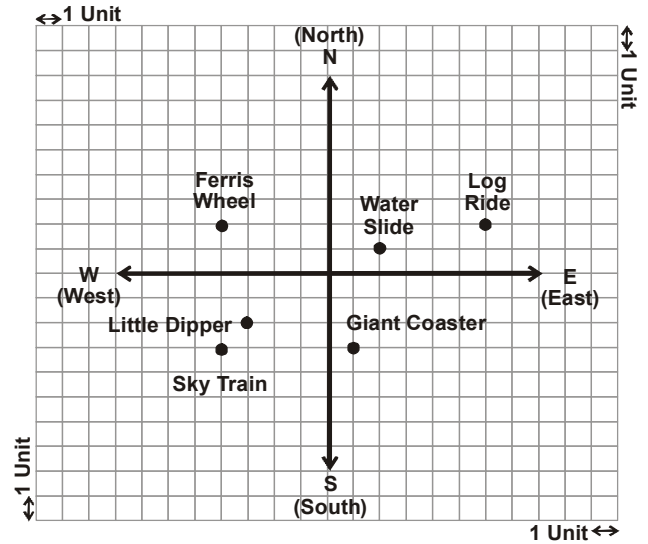
- (A) 11
- (B) 14
- (C) 13
- (D) 20





16.  $1\frac{1}{6}$  of an hour is \_\_\_\_\_ minutes.  
 (A) 10 (B) 20 (C) 50 (D) 70



17. Priti is presently at Log Ride. She walked 6 units south, 4 units west and 5 units north. Which ride did she walk to?

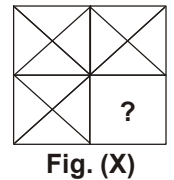
- (A) Giant Coaster  
 (B) Little Dipper  
 (C) Water Slide  
 (D) Ferris Wheel



18. Select a figure from the four options which when placed in the blank space of Fig. (X) would complete it.

- (A)   
 (C) 

- (B)   
 (D) 



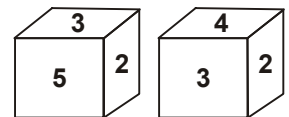
19. Kirti puts the tiles shown below into an empty bag and mixes them up. What fraction of letters are consonants ?

**C** **E** **L** **E** **S** **T** **I** **N** **E**

- (A)  $\frac{4}{10}$  (B)  $\frac{4}{9}$  (C)  $\frac{5}{9}$  (D)  $\frac{2}{9}$

20. Two positions of dice are shown below. What will appear opposite to the face containing 4 ?

- (A) 3 (B) 1  
 (C) 2 (D) 5



## SECTION II : MATHEMATICAL REASONING

21. A number has 42 ones, 9 hundreds and 17 tens. What is the number ?

- (A) 3,840 (B) 1,112 (C) 91,742 (D) 31,524

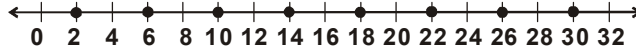
22. Look at the given problem.

$$2[\square + \square] = 3(\triangle + \triangle + \triangle) + 6$$

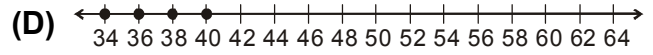
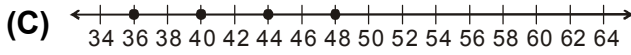
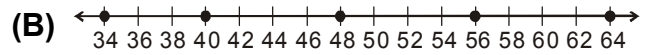
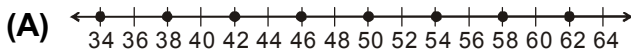
If  $\triangle = 2$ , then what is the value of  $\square$  ?

- (A) 3 (B) 7 (C) 11 (D) 6

23. The points on this number line represent a pattern.



Which of following number lines continues this pattern of points in the same way ?



24. Mohit has 8 boxes of markers. There are 5 markers in each box. Which of the following options shows the way to find the total number of markers that Mohit has ?

(A)  $5 + 8 = \square$  and  $8 + 5 = \square$

(B)  $5 + 8 = \square$  and  $8 - 5 = \square$

(C)  $8 \times 5 = \square$  and  $8 \div 5 = \square$

(D)  $8 \times 5 = \square$  and  $5 \times 8 = \square$

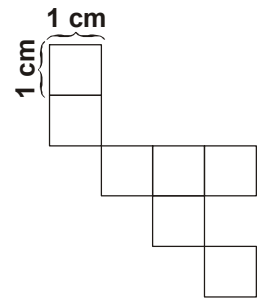
25. The perimeter of the given figure is \_\_\_\_\_

(A) 20 cm

(B) 22 cm

(C) 18 cm

(D) 24 cm



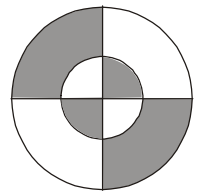
26. What fraction of the figure is shaded ?

(A)  $\frac{2}{4}$

(B)  $\frac{4}{6}$

(C)  $\frac{5}{6}$

(D)  $\frac{1}{3}$



27. Payal bought these given items at a sale.

She went to the sale with a ₹ 1000 note.

How much money is left with her now?

(A) ₹ 340

(B) ₹ 260

(C) ₹ 125

(D) ₹ 160

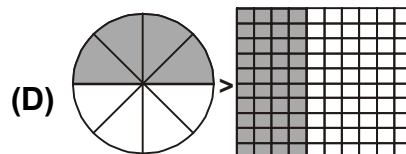
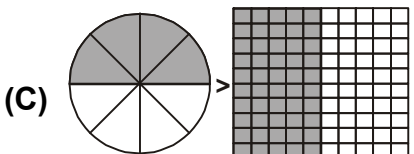
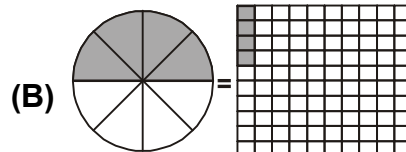
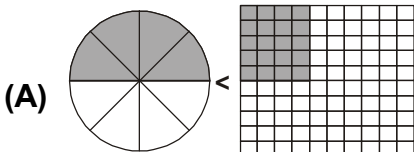


₹ 375



₹ 500

28. Which of the following is true ?



29. What number should go in the blank to make the given number sentence true?

$$1000 = 4 \times \underline{\quad} \times 5$$

- (A) 40                                      (B) 50                                      (C) 25                                      (D) 100

30. Which of the following will be a true statement ?

- (A) 1 day  $\square <$  24 mins                                      (B) 1 hr  $\square <$  60 mins  
 (C) 2 hrs  $\square >$  1 day                                      (D) 3600 sec  $\square >$  10 mins

31. Which of the following is not a co-prime number ?

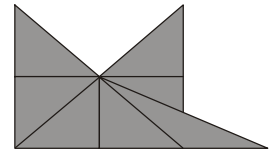
- (A) (21, 2)                                      (B) (33, 43)                                      (C) (49, 343)                                      (D) (53, 23)

32. Which of the following expressions is true ?

- (A)  $9 \div 18 > 18 \div 9$     (B)  $9 + 18 = 18 - 9$     (C)  $18 + 9 < 18 \times 9$     (D)  $9 + 18 < 18 + 9$

33. Count the number of triangles in the given figure.

- (A) 11                                      (B) 14  
 (C) 13                                      (D) None of these



34. If  $\text{flower} \text{ flower} \text{ flower}$  stand for 6,  $\blacktriangle$  stand for 9,  $\text{star} \text{ star}$  stand for 30,  $\square$  stands for 50, then  $\square \square \square \square + \text{star} \text{ star} \text{ star} + \blacktriangle \blacktriangle \blacktriangle + \text{flower} \text{ flower} \text{ flower} \text{ flower}$  stand for \_\_\_\_\_.

- (A) 192                                      (B) 392                                      (C) 286                                      (D) 268

35. Which of the following figures shows only line ?

- (A)  $\overset{P}{\bullet} \quad \overset{Q}{\bullet}$     (B)  $\overset{P}{\bullet} \text{---} \overset{Q}{\bullet}$     (C)  $\overset{P}{\bullet} \text{---} \overset{Q}{\bullet}$     (D)  $\overset{P}{\bullet} \text{---} \overset{Q}{\bullet}$

36. Isha read the given pages each month.

In which month did she read less number of pages?

- (A) January  
 (B) February  
 (C) March  
 (D) April

Pages read	
Month	Number of pages
January	4,176
February	4,416
March	4,768
April	4,716

37. If  $\diamond + \diamond + \diamond + \diamond = 5640$ , then  $1500 - \diamond = \square$ ,  $4 \times \square + 5 \times \diamond = ?$

- (A) 1000                                      (B) 1690                                      (C) 7410                                      (D) 1310

38.  $\frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} + \frac{1}{12} - \frac{4}{8}$  equals \_\_\_\_\_

- (A) 1/12                                      (B) 1/6                                      (C) 1/8                                      (D) 1/9

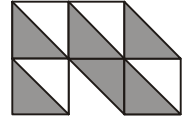
39. What number should go in the box to make the given statement true?

$$\frac{3}{2} = \frac{441}{\square}$$

- (A) 263                      (B) 262                      (C) 249                      (D) 294

40. What fraction of the given figure is shaded?

- (A)  $\frac{6}{10}$                       (B)  $\frac{3}{10}$                       (C)  $\frac{5}{10}$                       (D)  $\frac{4}{10}$



### SECTION III : EVERYDAY MATHEMATICS

41. Pia used the things listed below to make a cake.

$\frac{1}{4}$  cup butter;  $\frac{1}{4}$  cup chocolate;  $\frac{3}{4}$  cup fruits gems.

What was the total amount of items she used to make the cake?

- (A)  $\frac{5}{12}$  cup                      (B)  $1\frac{1}{4}$  cup                      (C)  $1\frac{3}{4}$  cup                      (D)  $1\frac{5}{8}$  cup

42. Amisha and her friends decided to have a party on 31<sup>st</sup> December. They started decoration at 3:40 P.M. They blew the balloons for 40 minutes. They took 45 minutes more for wall decoration until Amisha's dad showed up with icecream. What time was it when they ended their work?

- (A) 5:05 P.M.                      (B) 4:55 P.M.                      (C) 6:10 P.M.                      (D) 5:20 P.M.

43. Arjun works 10 hours a day. If he earns ₹ 15 for an hour and works for 5 weeks everyday in the week, how much does Arjun earn?

- (A) ₹ 6303                      (B) ₹ 7300                      (C) ₹ 4905                      (D) ₹ 5250

44. Jay filled a measuring cup with  $\frac{2}{5}$  cup of vegetable oil. Then he poured  $\frac{1}{3}$  cup of the oil from the measuring cup into a frying pan. How much oil is left in the measuring cup?

- (A)  $\frac{1}{3}$                       (B)  $\frac{1}{2}$                       (C)  $\frac{1}{4}$                       (D)  $\frac{1}{15}$

45. Which of the following is equivalent to 360 minutes?

- (A) 1 hour                      (B) 3 hours                      (C) 4 hours                      (D) 6 hours

46. A transport company has been hired to deliver Golf set to the Sports club. The company will use 30 trucks to move the sets. If each truck holds 1225 sets, how many sets will be delivered to the club?

- (A) 31700                      (B) 35760                      (C) 36750                      (D) 37650

47. One day has 24 hours. How many minutes are there in 50 days?

- (A) 72000                      (B) 74400                      (C) 87600                      (D) 87720

**48. Sneha had 56 pencils. She gave some pencils to Kanika and had 20 pencils left with her. What was the total number of pencils Sneha gave to Kanika ?**

**(A) 23**

**(B) 36**

**(C) 39**

**(D) 79**

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**49. Misha bought 14 passes of cricket match. Each pass could be used by 3 people. What was the total number of people that could use the passes ?**

**(A) 42**

**(B) 828**

**(C) 108**

**(D) 211**

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**50. There are 5778 blue pens and 7253 black pens. How many more black pens are there than blue pens ?**

**(A) 1101**

**(B) 1303**

**(C) 1475**

**(D) 1505**

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**SPACE FOR ROUGH WORK**



