

Time: 3 Hours

Max. Marks: 80

Instructions:

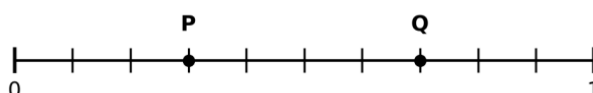
1. The question paper has 4 sections and 33 questions. Answer all the questions.
2. Section A: 20 multiple choice questions of 1 mark each. Write the letter of the correct answer.
3. Section B: 4 questions of 2 marks each. Section C: 5 questions of 4 marks each.
4. Section D: 4 questions of 8 marks each. Each question in Section D has an internal choice.
5. Draw figures neatly wherever necessary and show all the steps.

SECTION – A

20 × 1 = 20

Choose the correct answer and write its letter.

1. 1 lakh = _____ thousand
A) 10 B) 100 C) 1000 D) 10000
2. 10 lakh is equal to
A) 1 crore B) 1 million C) 10 million D) 1 billion
3. The number 3,07,50,000 is read as
A) three crore seven lakh fifty thousand
B) thirty lakh seventy-five thousand
C) three crore seventy lakh five thousand
D) thirty crore seven lakh five hundred
4. 4,86,345 rounded off to the nearest thousand is
A) 4,86,000 B) 4,87,000 C) 4,90,000 D) 5,00,000
5. The value of $20 - 4 \times 3$ is
A) 48 B) 8 C) 12 D) -4
6. The value of $30 - (12 - 5)$ is
A) 13 B) 23 C) 37 D) 17
7. How many terms are there in the expression $8 + 3 \times 2 - 5$?
A) 2 B) 3 C) 4 D) 5
8. 0.7 written as a fraction is
A) $\frac{7}{100}$ B) $\frac{7}{10}$ C) $\frac{70}{10}$ D) $\frac{1}{7}$
9. Which of the following is the greatest?
A) 0.5 B) 0.45 C) 0.405 D) 0.054
10. 2 m 35 cm written in metres is
A) 235 m B) 23.5 m C) 2.35 m D) 2.035 m
11. On the number line shown, the point P stands for



- A) 0.3 B) 3 C) 0.03 D) 0.7

12. If one pen costs ₹p, then the cost of 5 pens is

- A) ₹(p + 5) B) ₹5p C) ₹(p ÷ 5) D) ₹(p – 5)

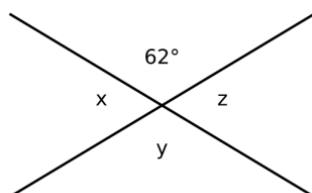
13. The value of $3x + 2$ when $x = 4$ is

- A) 14 B) 32 C) 12 D) 9

14. The perimeter of a square of side s is

- A) s^2 B) $2s$ C) $4s$ D) $s + 4$

15. In the figure, two lines intersect. The value of y is

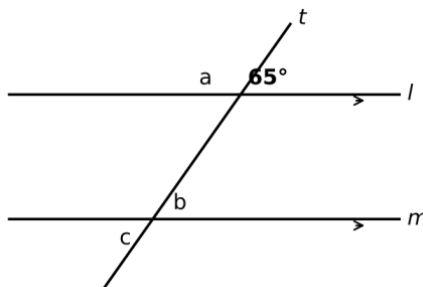


- A) 62° B) 118° C) 28° D) 180°

16. Two angles that form a linear pair add up to

- A) 90° B) 120° C) 180° D) 360°

17. In the figure, lines l and m are parallel and t is a transversal. The value of b is



- A) 65° B) 115° C) 25° D) 130°

18. The sum of the three angles of a triangle is

- A) 90° B) 180° C) 270° D) 360°

19. With which set of lengths can a triangle be drawn?

- A) 3 cm, 4 cm, 9 cm B) 2 cm, 3 cm, 6 cm C) 5 cm, 6 cm, 7 cm D) 1 cm, 2 cm, 4 cm

20. The sum of two even numbers is always

- A) odd B) even C) prime D) zero

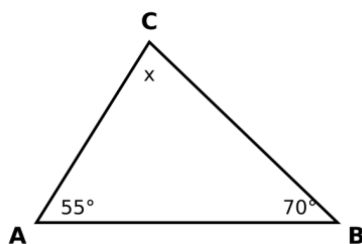
SECTION – B

$4 \times 2 = 8$

21. Write 6,05,20,700 in words in the Indian system. Also write it with commas in the international system.

22. Find the value of $48 \div (6 + 2) \times 3$.

23. Find the value of x in triangle ABC.



24. Look at the matchstick pattern of squares.



Figure 1



Figure 2



Figure 3

- (i) How many matchsticks are needed for 4 squares? (ii) Write an expression for the number of matchsticks needed for n squares.

SECTION – C

$5 \times 4 = 20$

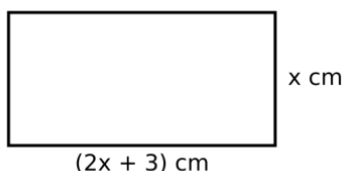
25. The population of town A is 2,45,678 and of town B is 3,58,429.

- (i) Find the total population of the two towns. (ii) How many more people live in town B than in town A?
(iii) Round off the total to the nearest lakh.

26. (i) Arrange in ascending order: 0.6, 0.06, 0.66, 0.606

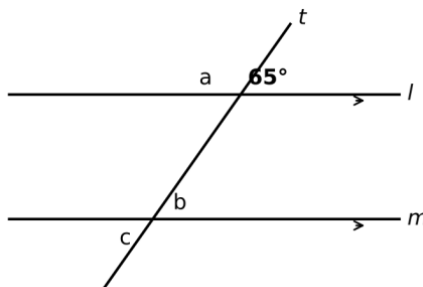
- (ii) Add: $3.75 + 12.4$ (iii) Subtract: $10 - 4.37$

27. The length of a rectangle is $(2x + 3)$ cm and its breadth is x cm.



- (i) Write an expression for its perimeter and simplify it. (ii) Find the perimeter and the area when $x = 5$.

28. In the figure, $l \parallel m$ and t is a transversal. Find a , b and c . Name the pair of angles you used each time.



29. (i) Complete the magic square so that every row, column and diagonal adds up to 15. Use the numbers 1 to 9 only once.

2	7	6
	5	
4		8

(ii) Without adding, say whether $1 + 3 + 5 + 7 + 9$ is even or odd. Give a reason.

SECTION – D

$4 \times 8 = 32$

Each question has an internal choice. Answer either (a) or (b).

30. a) (i) How many lakhs make one crore? How many thousands make one million?

(ii) A school collected ₹2,45,000 in 2025 and ₹3,10,500 in 2026 for its library. Find the total amount and the increase.

(iii) Estimate $4,912 \times 38$ by rounding both numbers to their greatest place.

(OR)

b) (i) Ravi had ₹500. He bought 3 notebooks at ₹45 each and a pen for ₹20. Write one arithmetic expression for the money left and find its value.

(ii) Put brackets in $8 + 4 \times 3$ so that its value becomes 36.

(iii) Find the value of $15 - 3 \times 4 + 6 \div 2$.

(iv) Which is greater: $25 \times 4 - 10$ or $25 \times (4 - 1)$? Show working.

31. a) (i) Write as decimals: $\frac{3}{10}$, $\frac{45}{100}$, $7\frac{1}{2}$

(ii) Rina bought 2.5 kg of apples, 1.75 kg of grapes and 0.8 kg of tomatoes. Find the total weight.

(iii) Convert: 375 paise into rupees; 1250 g into kg.

(iv) Mark 0.2, 0.5 and 0.9 on a number line drawn from 0 to 1.

(OR)

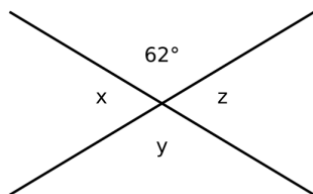
b) (i) Simplify: $5a + 3a - 2a$

(ii) Simplify: $3(x + 4) - 2x$

(iii) Find the value of $2p - q$ when $p = 7$ and $q = 5$.

(iv) Write expressions: (1) a number x is multiplied by 4 and then 7 is added; (2) Sita's age is 3 years more than twice Ravi's age r .

32. a) (i) In the figure, find x , y and z . Give reasons.



(ii) Two angles form a linear pair. One angle is three times the other. Find both angles.

(OR)

b) (i) What are parallel lines and intersecting lines? Give two examples of each from your classroom.

(ii) Two lines intersect and one of the four angles formed is 90° . Find the other three angles. What are such lines called?

33. a) (i) The angles of a triangle are in the ratio $2 : 3 : 4$. Find the angles.

(ii) Can a triangle have two right angles? Give a reason.

(iii) Check whether a triangle can be drawn with sides (1) 4 cm, 5 cm, 10 cm; (2) 5 cm, 6 cm, 8 cm.

(OR)

- b) (i) Construct a triangle ABC with $AB = 6$ cm, $BC = 5$ cm and $CA = 4$ cm using a ruler and compass. Write the steps.
- (ii) Classify triangles on the basis of sides and on the basis of angles, with one example of each.

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