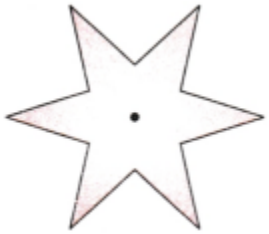
INTERNATIONAL INDIAN SCHOOL – BURAIDAH
SAMPLE PAPER -TERM 2(2025-2026)

CLASS :6 **SUBJECT-MATHEMATICS**

SECTION-A

Choose the correct option: - **(15 x 1= 15 marks)**

1. A rectangle has
   (a) one line of symmetry (b) two lines of symmetry (c) no line of symmetry
   (d) none of above
2. The number of lines of symmetry in the given figure is

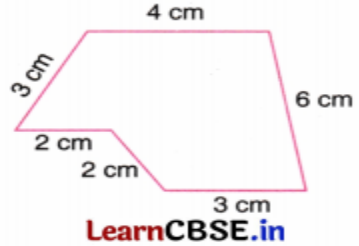


   (a) 1 (b) 3 (c) 6 (d) infinitely many

3. (-12) + (+3) = ?
   (a) -12 (b) + 15 (c) + 9 (d) -8
4. The lowest form of 8/36 is:
   (a) 2/4 (b) 2/9 (c) 4/18 (d) none of these

5. Number of whole numbers lying between -7 and 6 is
   (a) 2 (b) 4 (c) 5 (d) 6
6. What is the measure of each angle in a square?
   (a) 45° (b) 60° (c) 90° (d) 120°
7. The fraction representing the shaded portion is

   (a) ¼ b) ½ c) 1/6
8. Which of the following fractions is 3/4
   (a) 6/11 b) 9/10 c)15/20 d) 21/25
9. The perimeter of the figure



   (a) 20 cm (b) 10 cm (c) 24 cm (d) 15 cm.

10. An athlete takes 10 rounds of a rectangular park, 40 m long and 30 m wide. Find the total distance covered by him.
    (a) 1400 m (b) 700 m (c) 70 m (d) 2800 m.
11. The area of a rectangle of length 2 cm and breadth 1 cm is
    (a) 1 cm^2 (b) 2 cm^2 (c) 4 cm^2 (d) 8 cm^2
12. A figure bounded by four sides is called a square if:
    (a) each side is equal to 3 cm.
    (b) each angle is equal to 90°.
    (c) all sides are equal and each angle is equal to 90°.
    (d) none of these.
13. Two sides of a triangle are 5 cm and 4 cm. The perimeter of the triangle is 12 cm. The third side has length
    (a) 1 cm (b) 2 cm (c) 3 cm (d) 6 cm.
14. A teacher finished ¾ of his course. How much course is left?
    (a) ½ b) ¼ c) 1/6 d) 1/3
15. The order of rotational symmetry in the figure given below is

    (a) 4 (b) 2 (c) 1 (d) infinitely many

SECTION-B

Answer the following:- **(11 x 2=22 marks)**

16. Solve:
    a) (-63) + 45=
    b) 144 + (-144) =
17. Write the following fractions as mixed fractions.
    (a) 19/5
    (b) 24/7
18. The number of clocks manufactured by a factory in a particular week, is shown below.

Days	Number of clocks manufactured	= 50 clocks
Monday	⊕ ⊕ ⊕ ⊕ ⊕ ⊕	
Tuesday	⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ◔	
Wednesday	⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ◔	
Thursday	⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕	
Friday	⊕ ⊕ ⊕ ⊕ ⊕ ⊕	
Saturday	⊕ ⊕ ⊕ ⊕ ⊕ ◔	

    (a) On which day were the least number of clocks manufactured?
    (b) On which day were the maximum number of clocks manufactured in the particular week and how many?
19. Construct a circle of radius 5 cm.

20. Use tokens to solve: a) 6+ (-4) b) 8 – (-3)

21. Add the following fractions by using Brahmagupta's method: 1/8 and 2/9

22. The following data represents the weekly wages (in ₹) of 15 workers in a factory. Arrange them in ascending or descending order and answer the following questions.
750, 900, 850, 900, 750, 900, 950, 600, 950, 850, 800, 550, 800, 850, 900, 950.
(a) How many workers are getting less than ₹ 750 per week?
(b) How many workers are getting more than ₹ 900 per week?

23. Say True or False:
a) The diagonals of a square are always equal.
b) Area of a rectangle is the product of length and breadth.

24. Figure out the number of whole units in each of the following fractions.
(a) 12/7 (b) 5/3

25. What is the smallest angle of symmetry of:
(i) an equilateral triangle
(ii) a square?

26. Express the following mixed fractions as improper fractions:
a) $7\frac{1}{2}$ b)$6\frac{19}{20}$

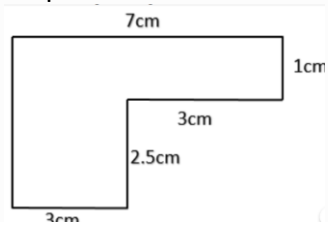
SECTION-C

Answer the following:- **(9 x 3=27 marks)**

27. A rectangular floor is 7m long and 6m wide. A square carpet of side 5m is laid on the floor. Find the area of the floor not carpeted.

OR

Find the perimeter of the following figure:



28. Faye records the number of people at football training each week for 5 weeks in the table below. Use this information to draw a **pictograph** of Faye's data.

Week	1	2	3	4	5
Number of people	55	60	65	40	70

29. An athlete takes 5 rounds of a square field of side 500m. Find the total distance covered by him.

30. Construct a square of side 6cm.

31. Use an unmarked number line to evaluate: a) (-200) + (-170)

OR

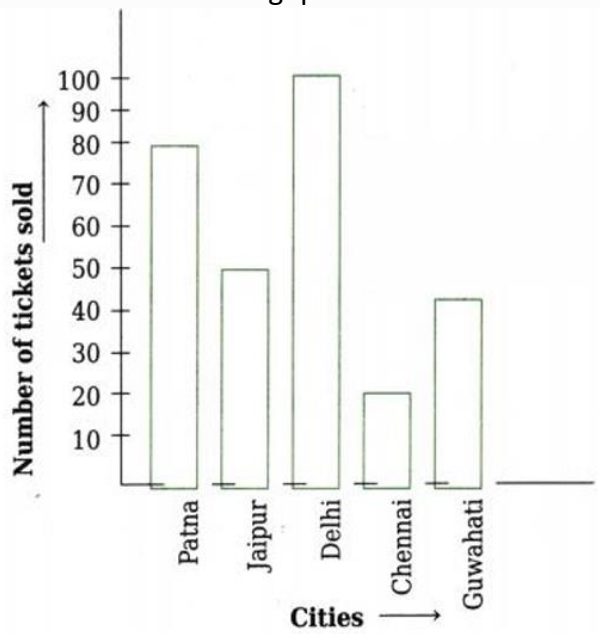
Represent the lengths 1/ 5 , 3/ 5 , 9/ 5 and 2 on a number line.

32. Write in descending order:

$\frac{1}{2}, \frac{4}{5}, \frac{5}{6}, \frac{2}{3}$

33. Construct a rectangle of side 4cm and one of the diagonal dividing the opposite angles into 30° and 60^0

34. The following graph gives the information about the number of railway tickets sold for different cities on a railway ticket counter between 6:00 am to 10:00 am. Read the bar graph and answer the following questions.



(a) How many tickets were sold in all?

(b) For which city were the maximum number of tickets sold?

c) For which city were the minimum number of tickets sold?

35. Complete the grid with Border sum 5

2		4
	-1	3

OR

Solve:

a) 20 + (-60) + (-20)+(-10)

b)10 + 15 – (-16) + (-17)

c) 80 – 50 + 4 – (-9)

SECTION-D

Answer the following :- **(4 x 4=16 marks)**

36. A rectangular plot of land has dimensions 15m x 10m. There are 5 square flower beds in the plot of side 5m. Find the area of the remaining part of the plot.

37. Suppose you start with 0 rupee in your bank account and then you have Debits Rs 100 , Rs 15 , Rs 40 , Rs 30 , Rs 60 , Rs 10 , Rs 200 and a single Credit of Rs 900. Final the final balance in your account.

Or

Solve using a number line: a) (-4) + 7

b) (-4) + (-3)

38. The marks obtained by six students in Mathematics are given below. Represent the.

Students	Marks
Ayush	75
Karim	80
Sonu	95
Manish	100
Lalit	65
Rakhi	70

data by a bar graph.

Or

The result of a Mathematics test is as follows:
80, 90, 70, 80, 80, 60, 80, 70, 90, 65, 100, 60, 70, 60, 70, 85, 65, 70, 70, 85, 90, 60, 65, 80, 60
Make a frequency table(tally mark table) for the above data and answer the following questions:
(a) What is the maximum marks obtained?
(b) How many students score less than 75 marks?

39. Construct a rectangle where one of its sides is 4 cm and the length of a diagonal is 6 cm.
