Class-6

Worksheet

Solve all the questions properly with a proper format, finishing lines and do write questions along with the answers in your homework notebook only.

All questions are compulsory.

Q1: How many lines of symmetry does a regular hexagon have?

(a) 3

(b) 4

(c) 6

(d) 8

Q2: The perimeter of a square is 20 cm. What is the length of one side?

(a) 4 cm

(b) 5 cm

(c) 10 cm

(d) 8 cm

Q3: In the fraction 5/6, what is 5 called?

(a) Denominator

(b) Quotient

(c) Numerator

(d) Whole number

Q4: Convert the improper fraction 11/4 into a mixed fraction.

(a) $2\frac{3}{4}$

(b) $3\frac{1}{4}$

(c) $4\frac{1}{2}$

(d) $2\frac{2}{3}$

Q5: The temperature in a city is -5°C in the morning. By noon, it rises by 8°C. What is the temperature at noon?

(a) 3°C

(b) -3°C

(c) 5°C

(d) -13°C

Q6: Add the following fractions using Brahmagupta's method:

3/8 + 5/8

(a) 8/8

(b) 3/16
(c) 5/16
(d) 1/2

Q7: Which of the following pairs of numbers are co-prime?
(a) 8 and 12
(b) 15 and 35
(c) 9 and 16
(d) 10 and 20

Q8: What is a pictograph?
(a) A graph that uses pictures or objects to represent data
(b) A bar graph with horizontal bars
(c) A method to calculate frequencies
(d) A mathematical operation

Q9: A figure has rotational symmetry if it can be rotated by an angle less than __ and still look the same.
(a) 90°
(b) 180°
(c) 360°
(d) 270°

Q10: Where can fractions be represented visually?
(a) Number line
(b) Pie chart
(c) Only in decimal form
(d) In whole numbers

Q11: Aarav is arranging chairs in a triangular pattern. The first row has 2 chairs, the second row has 5 chairs, the third row has 9 chairs, and the fourth row has 14 chairs. If he continues this pattern, how many chairs will be in the fifth row?

Q12: Construct a rectangle having adjacent sides of 6 cm and 4 cm.

Q13: What is the sum of the smallest and largest 6-digit palindrome? What is their difference?

Q14: Subtract 3 from -4 using a number line.

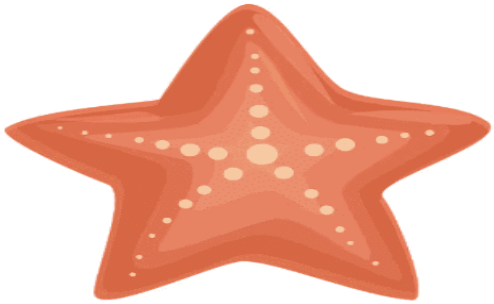
Q15: Write two equivalent fractions for 3/7.

Q16: A square-shaped rug has a side length of 9 m. Find its area.

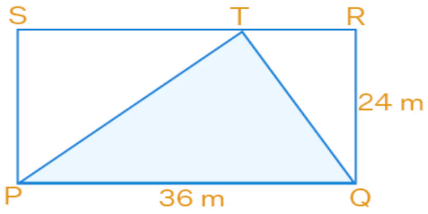
Q17: Below is a sequence of matchstick patterns. Observe the pattern carefully and continue it forward. Also, give number pattern for the same :

Number of matchsticks: 3, 5, 7, __ , __

Q20: Do you see any Line of symmetry in the figures given below?. How many are there?



Q21: Find the area of the shaded portion in the given figure .



Q22:A rectangular parking lot is 500 m long and 200 m wide. If the cost of painting the parking lines is ₹8 per 100 sq. m, what is the total cost to paint the entire lot?