



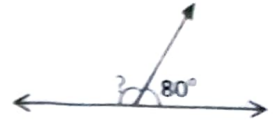
Standard 7 MATHS Section - I

Time: 1.30 Hours

Marks: 30

I. Fill in the blanks:**3×1=3**

- 1) $171 + \dots = 0$
- 2) The area of the parallelogram having base 10cm and height 7cm is
- 3) The measure of the missing angle in the following diagram is

**II. Write True or False:****3×1=3**

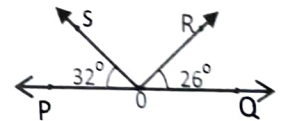
- 4) $(-100) \times 0 \times 100 = 0$
- 5) Every rectangle is a parallelogram, but every parallelogram is not a rectangle
- 6) The sum of all the angles at a point is 180°

III. Choose the correct answer:**4×1=4**

- 7) $20 + (-9) + 9 = ?$
a) 20 b) 29 c) 11 d) 38
- 8) The set of integers is not closed under
a) addition b) subtraction c) multiplication d) division
- 9) When the non parallel sides of a trapezium are equal, it is known as
a) a square b) a rectangle
c) an isosceles trapezium d) a parallelogram
- 10) The angle between the diagonals of a rhombus is
a) 120° b) 180° c) 90° d) 100°

IV. Answer any four questions only:**4×2=8**

- 11) Add 8 and -12 using number line.
- 12) Kapilan was having 12 pencils with him. He gave 2 pencils to Senthil and 3 to Karthik. Next day his father gave him 6 more pencils, from that he gave 8 to his sister. Now how many pencils are left with him?
- 13) What will be the sign of the product of the following?
i) 16 times a negative number
ii) 29 times a negative number
- 14) Calculate the area of the rhombus having diagonals equal to 6m and 8m.
- 15) Find the measure of $\angle ROS$ in the following figure.
- 16) One angle of a linear pair is a right angle. What can you say the about the other angle?

**V. Answer any four questions only:****4×3=12**

- 17) A submarine is at 300 feet below the sea level. If it ascends to 175 feet, what is its new position?
- 18) Find all possible pairs of integers that give a product of -50 .
- 19) Prove that $[(-2) \times 3] \times (-4) = (-2) \times [3 \times (-4)]$
- 20) A ground is in the shape of a parallelogram. The height of the parallelogram is 14 m and the corresponding base is 8m longer than its height. Find the cost of levelling the ground at the rate of rupees 15 per sq.m.
- 21) Find the area of the trapezium whose height is 14cm and the parallel sides are 18cm and 9cm of length.
- 22) If the three angles at a point are in the ratio 1 : 4 : 7, find the measure of each angle.
