

Q. 1. - Fill in the blanks. (4 marks)

1) If the sum of the measures of two angles is 90° , then they are known as _____ angles.

2) $9^3 \times 9^2 = 9$

3) According to Pythagoras theorem, in a right angled triangle ;

$$(\text{_____})^2 = (\text{base})^2 + (\text{height})^2.$$

4) $\pi = \frac{\text{circumference of a circle}}{\text{_____}}$

Q. 2. - Solve the following questions. (Any three) (6 marks)

1) Evaluate the expression:

$$50 \times 5 \div 2 + 24$$

2) Solve : (1) $(-5) \times (-3)$

(2) $(-6) \div 3$

3) Find the volume of a cube of side 3 cm .

4) Solve : $5 + \frac{5}{8}$

Q. 3. - Solve the following questions. (Any two) (6 marks)

1) If the cost of 5 kg sugar is 125 rupees, how much must we pay for 3 kg sugar?

2) Expand : $(3x + 5y)^2$

3) The number of patients affected by Covid in 5 days is given below Find the average of Covid

Patient affected in 5 days: 132 , 135 , 131 , 134 , 138

Q. 4. - Solve the following questions. (Any one) (4 marks)

1) Subhash's age is more than Sania's age by 3 years. The sum of their ages is 33 years. Find the age of Subhash And Sania?

2) The area of a rectangle is 120 sq.cm. If its length is 15 cm, what is its perimeter?