

DELHI PUBLIC SCHOOL, JAMMU

SESSION 2024-25

Assignment-2

Class: VIII

Subject: Math

Topic: Understanding Quadrilaterals, linear Equations in one Variable

MM: 20

Read carefully and answer the following questions.

Q1: Two angles of a quadrilateral are equal and other two angles in degrees are 70 and 110.

The measure of each equal angle is (1)

a) 98°

b) 120°

c) 36°

d) 90°

Q2: When a number is added to itself, it becomes 24. What is the number? (1)

a) 2

b) 4

c) 12

d) 21

Q3: Find the value of t if $3t + \frac{7}{5} = \frac{2}{5} + 5t$ (1)

a) $\frac{1}{2}$

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

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

d) none of these

Q4. A Quadrilateral has 3 acute angles each measure 80° . What is the measure of fourth angle? (2)

Q5: Solve for the value of x

$$\frac{3}{5x} - \frac{2}{3x} = \frac{1}{10} \quad (2)$$

Q6. SOLVE : $\frac{2X-(7-5X)}{9X-(3+4X)} = \frac{7}{6}$ (2)

Q7. The opposite angles of a parallelogram are $(3x+5)^\circ$ and $(61-x)^\circ$. Find the measure of all angles. (3)

Q8: Find the number of sides of a regular polygon whose each of the interior angle is 120° . (3)

Q9. Solve and

check

$$4P + \frac{7}{2} = \frac{3P}{2} + \frac{9}{2} \quad (4)$$