

Class Test based on Pre-mid Term, 2025

Class – VIII

Maximum Marks: 20

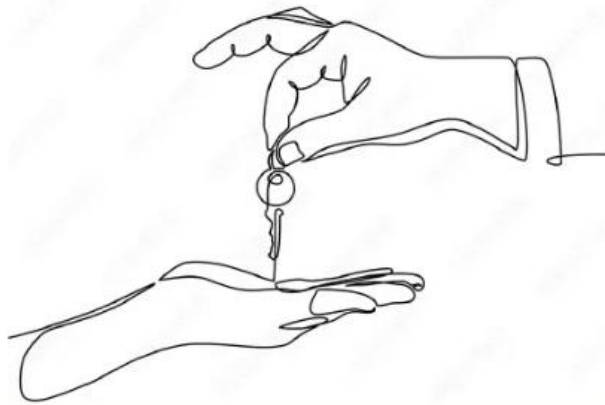
Choose the correct option:

1x5=5

- 1) Diagonals of which of the following quadrilaterals do not bisect it into two congruent triangles?
(i) rhombus (ii) trapezium (iii) square (iv) rectangle
- 2) In an isosceles parallelogram, we have:
(i) pair of parallel sides as equal (ii) pair of non-parallel sides as equal
(iii) pair of non-parallel sides as perpendicular (iv) none of these
- 3) If x is an even number, which is the next odd number?
(i) $X + 1$ (ii) $X + 2$ (iii) $X - 1$ (iv) $X - 2$
- 4) If the sum of two consecutive numbers is 71 and one number is x , then the other number is -
(i) $x + (x+1) = 71$ (ii) $x + (x+2) = 71$ (iii) $x + x = 71$ (iv) None of these
- 5) What should be added to $-5/4$ to get -1 ?
(i) $-1/4$ (ii) $1/4$ (iii) 1 (iv) $-3/4$

6) **Case study:**

Anima left one-half of her property to her daughter, one-third to her son and donated the rest to an educational institute. The donation was worth Rs. 1,00,000. Based on the above situation, answer the following questions:



- a) Write the linear equation formed in the above situation. 1
- b) How much money did Anima have? 1
- c) How much money did Anima's son and daughter have? 1

Answer the following questions:

2x6=12

- 7) Find four rational numbers between -1 and 0 .
- 8) Three consecutive integers are such that when they are taken in increasing order and multiplied by 2 , 3 and 4 respectively, they add up to 74 . Find these numbers.
- 9) **Solve:** $\frac{17(2-x)-5(x+12)}{1-7x} = 8$
- 10) After 18 years Sanjay will be 3 times as old as he was 4 years ago. Find his present age.
- 11) An exterior angle and the interior angle of a regular polygon are in the ratio $2 : 7$. Find the number of sides of the polygon.
- 12) In the given figure, $ABCD$ is a rectangle and its diagonals meet at O . Find x , if $OA = (2x+4)$ and $OD = (3x+1)$. Also find BD .

