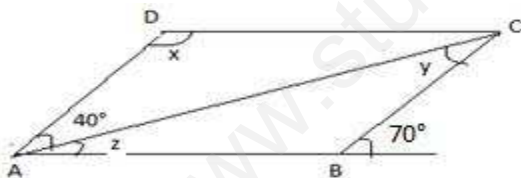


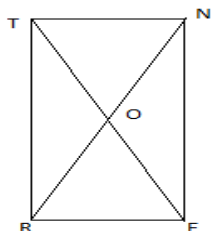
**WORK SHEET**  
**SUBJECT- Maths**  
**Chapter 3- Quadrilateral**

**CLASS- VIII**

- 1) In a quadrilateral if one pair of opposite sides is equal and parallel, the figure is.....
- 2) If one angle of a parallelogram is a right angle, then it is necessarily a .....
- 3) If opposite angles of a quadrilateral are equal, then it is necessarily a .....
- 4) If the consecutive sides of a parallelogram are equal, then it is necessarily a .....
- 5) Diagonals necessarily bisect opposite angles in a .....
- 6) The angles of a quadrilateral are in the ratio 1:2:3:4. Find the measure of its four angles.
- 7) The measure of one angle of a parallelogram is  $80^\circ$ . Find the measure of other angles.
- 8) The sum of interior angles of a polygon of 10 sides is.....
- 9) One of a quadrilateral is  $108^\circ$  and other three angles are equal, then the value of each equal angle is.....
- 10) Exterior angle of a regular polygon is  $24^\circ$ . Find the number of sides of the polygon.
- 11) Find the values of  $x$ ,  $y$  and  $z$  in the given parallelogram ABCD

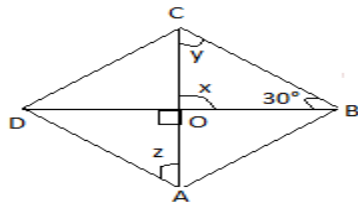


- 12) Explain why a rectangle is a convex polygon.
- 13) RENT is a rectangle its diagonals meet at O. Find  $x$ ,  $OR = 2x + 4$  and  $OT = 3x + 1$

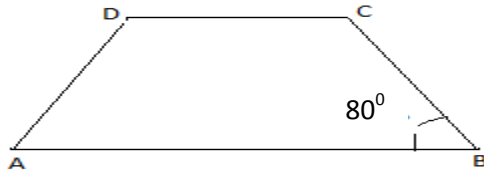


- 14) Write three properties of a parallelogram.
- 15) What is the minimum possible interior angle of a regular polygon and why?

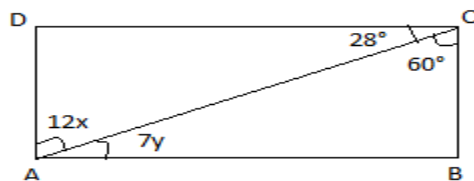
16) Find the values of  $x$ ,  $y$  and  $z$  of a rectangle ABCD



17) ABCD is an isosceles trapezium in which AB and CD are parallel. Find the other angles.

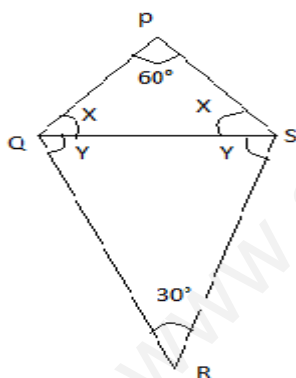


18) ABCD is a parallelogram. Find  $x$  and  $y$ .



19) Write the difference between diagonals of a square and a rhombus.

20) Find the values of  $x$  and  $y$  in the given figure:



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