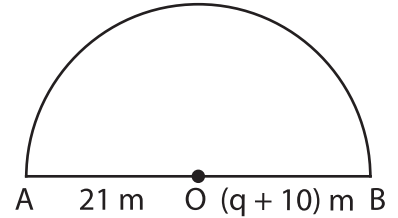


**One-Step Equations: Shapes**

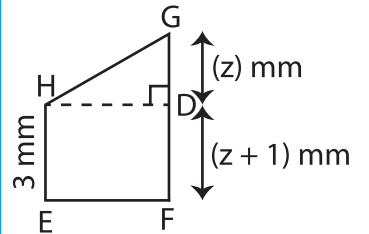
Solve each problem.

- 1) In the given semi-circle, AB is the diameter and O is the center. If  $AO = 21$  m, find  $q$ .



$q =$  \_\_\_\_\_

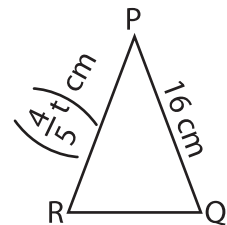
- 2) EFGH is a quadrilateral. The side EH measures 3 mm. If a perpendicular HD is drawn from the vertex H, find the length of FG.



$z =$  \_\_\_\_\_

- 3) PQR is an isosceles triangle. The base RQ is 16 cm, find the value of  $t$ .

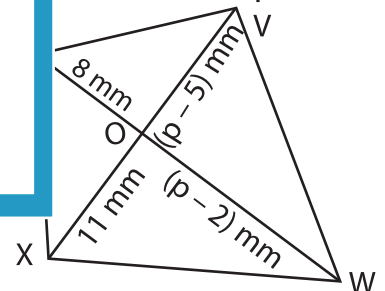
16 cm, find the



$t =$  \_\_\_\_\_

- 4) UVWX is a kite where  $UV = 8$  mm and  $WX = 11$  mm. Determine the length of  $UW$  and  $XV$ .

the value of  $p$  and



$p =$  \_\_\_\_\_

**PREVIEW**

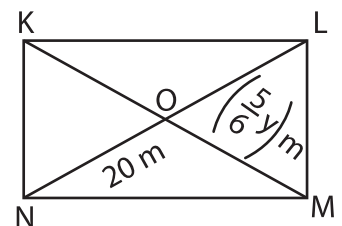
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- 5) KLMN is a rectangle whose diagonals bisect each other. Given that  $LN = 20$  m and  $MK = (\frac{5}{6}y)$  m, find the value of  $y$ .



$y =$  \_\_\_\_\_