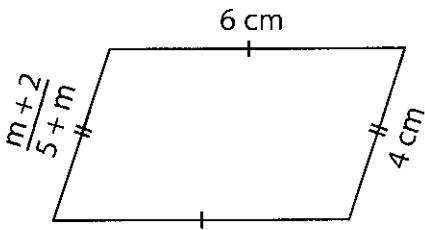


Multi-Step Equations: Shapes

Type 1: S1

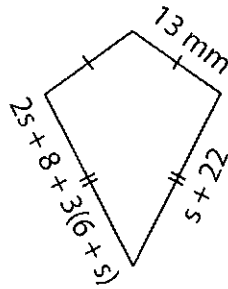
Find the unknown value given in each shape.

1)



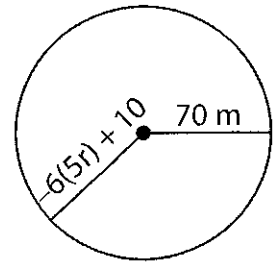
$m = \underline{\hspace{2cm}}$

2)



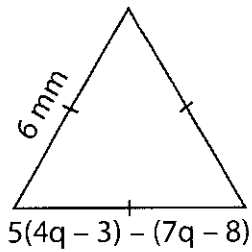
$s = \underline{\hspace{2cm}}$

3)



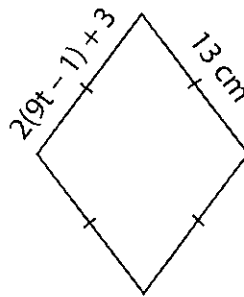
$r = \underline{\hspace{2cm}}$

4)



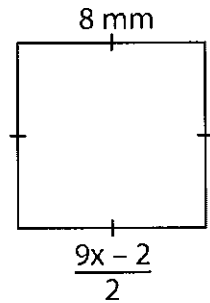
$q = \underline{\hspace{2cm}}$

5)



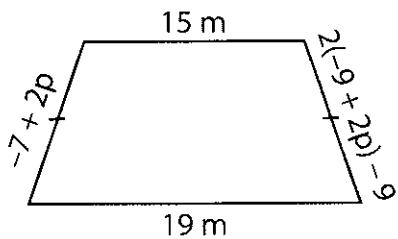
$t = \underline{\hspace{2cm}}$

6)



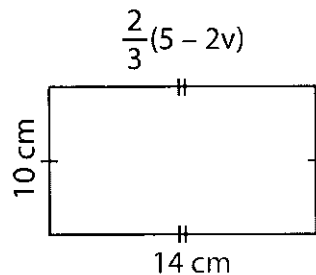
$x = \underline{\hspace{2cm}}$

7)



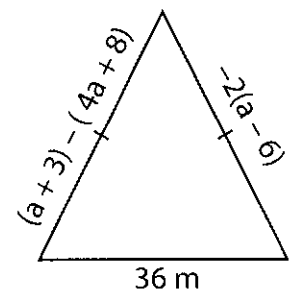
$p = \underline{\hspace{2cm}}$

8)



$v = \underline{\hspace{2cm}}$

9)



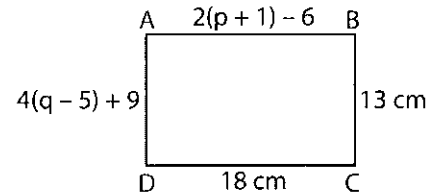
$a = \underline{\hspace{2cm}}$

Multi-Step Equations: Shapes

Type 3: S1

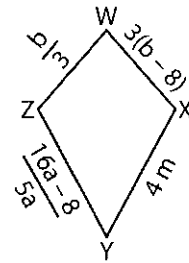
Solve each problem.

- 1) The length and breadth of a rectangle ABCD are 18 cm and 13 cm respectively. Find the value of p and q .



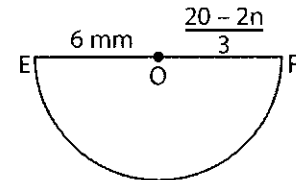
$$p = \underline{\hspace{2cm}} ; q = \underline{\hspace{2cm}}$$

- 2) WXYZ is a kite where $WZ = WX$ and $ZY = XY = 4\text{m}$. Find the value of a and b .



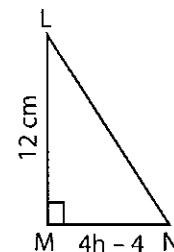
$$a = \underline{\hspace{2cm}} ; b = \underline{\hspace{2cm}}$$

- 3) O is the the centre of the semicircle shown in the figure. If the radius EO is 6 mm, find the value of n .



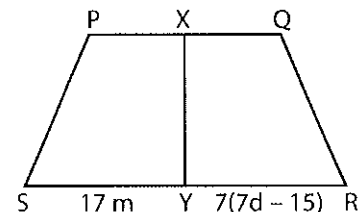
$$n = \underline{\hspace{2cm}}$$

- 4) LMN is a right angled-triangle with area $16h$ sq.cm. Length of $LM = 12$ cm. Find the value of h .



$$h = \underline{\hspace{2cm}}$$

- 5) In the trapezoid PQRS, X and Y are the midpoints of PQ and RS respectively. If $SY = 17$ m, find the value of d .



$$d = \underline{\hspace{2cm}}$$