

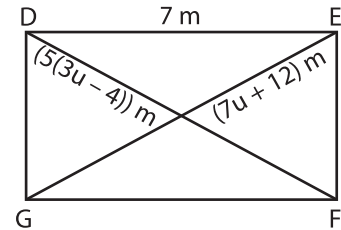
Name : _____

Multi-Step Equations: Shapes

Type 3: S5

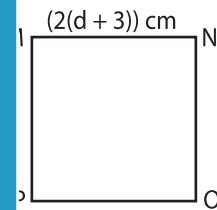
Solve each problem.

- 1) The diagonals DF and EG of the rectangle DEFG are equal. If $DF = (5(3u - 4))$ m and $EG = (7u + 12)$ m, find the value of u.



u = _____

- 2) The perimeter of the square MNOP is 16 cm. Find the value of d and the side MN.



d = _____

- 3) In the quadrilateral BEFC, find the value of x.

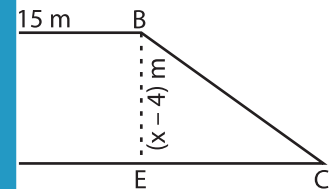
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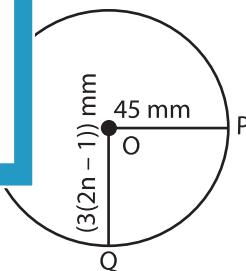
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rectangle.



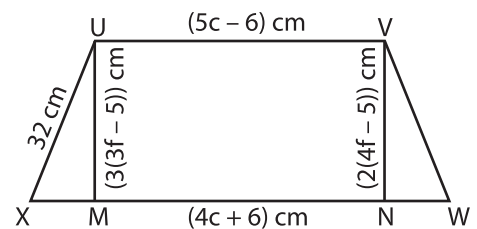
x = _____

- 4) O is the center of the circle. Find the value of n.



n = _____

- 5) UVWX is a trapezoid where VN and UM are the heights. Find the value of c and f, if UVWX is a rectangle.



c = _____ ; f = _____