

Name : _____

One-Step Equations: Shapes

Type 2: S5

Solve each problem.

- 1) RSTU is a parallelogram where the diagonals bisect each other with O as the center. Given that $OR = 18$ mm, $OT = (9t)$ mm and $OU = (15 + t)$ mm. Find the value of t and determine the length of OS.

$t =$ _____

- 2) LMNO is a trapezoid where LP and MQ are equal. $LP = 18$ mm. Find the value of b .

$b =$ _____

- 3) ABC is a triangle where BD is the median. Find the value of x .

$x =$ _____

- 4) KLMN is a rectangle where $LM = 18$ m and $KN = (z + 10)$ m. Find the value of z .

$u =$ _____

- 5) CDEF is a rhombus. If $EF = 50$ cm, find the value of n .

$n =$ _____

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