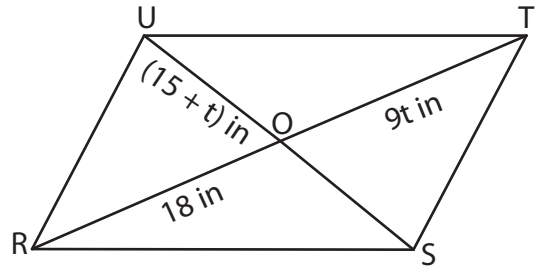


## One-Step Equations: Shapes

Solve each problem.

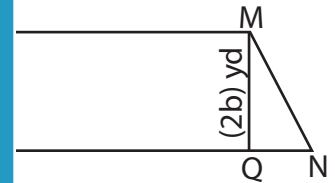
- 1) RSTU is a parallelogram where the diagonals bisect each other with O as the center. Given that  $OR = 18$  in,  $OT = (9t)$  in and  $OU = (15 + t)$  in. Find the value of  $t$  and determine the length of  $OS$ .



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

- 2) LMNO is a trapezium where the heights LP and MQ are equal. If  $LP = 14$  yd, find the value of  $b$ .

$b =$  \_\_\_\_\_



- 3) ABC is a triangle. E

$x =$  \_\_\_\_\_

# PREVIEW

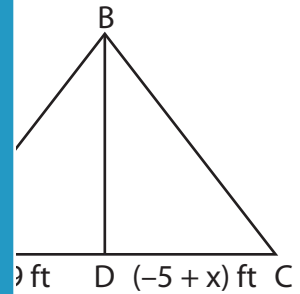
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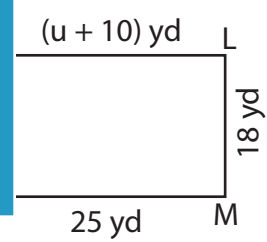
$= 19$  ft, find  $x$ .



- 4) KLMN is a rectangle

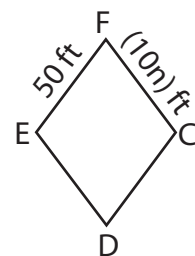
$u =$  \_\_\_\_\_

find  $u$  and  $z$ .



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

$n =$  \_\_\_\_\_



Name : \_\_\_\_\_

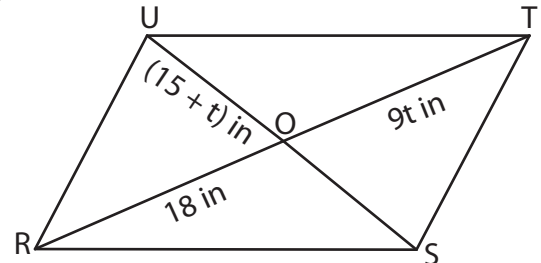
## Answer Key

### One-Step Equations: Shapes

Type 2: S5

Solve each problem.

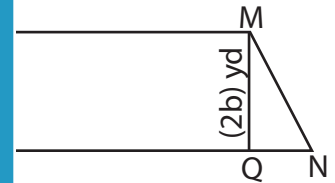
- 1) RSTU is a parallelogram where the diagonals bisect each other with O as the center. Given that  $OR = 18$  in,  $OT = (9t)$  in and  $OU = (15 + t)$  in. Find the value of  $t$  and determine the length of  $OS$ .



$t = \underline{\quad 2 \quad}$        $OS = \underline{\quad 17 \text{ in} \quad}$

- 2) LMNO is a trapezium where the heights LP and MQ are equal. If  $LP = 14$  yd, find the value of  $b$ .

$b = \underline{\quad 7 \quad}$



- 3) ABC is a triangle. E

$x = \underline{\quad 24 \quad}$

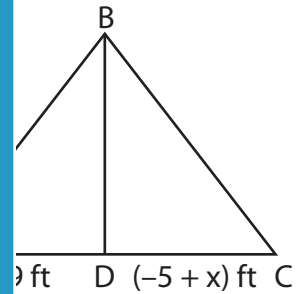
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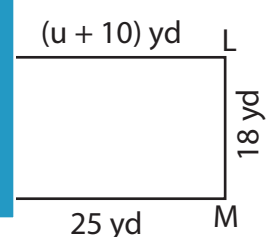
$= 19$  ft, find  $x$ .



- 4) KLMN is a rectangle

$u = \underline{\quad 15 \quad}$

find  $u$  and  $z$ .



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

$n = \underline{\quad 5 \quad}$

