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3.OA.B.4 Finding the Missing Factors

3.OA.B.4: Find all factor pairs for a whole number in the range 1-100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1-100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1-100 is prime or composite.

Find the missing factors below.

$7 \times \_\_\_\_\_ = 21$	$\_\_\_\_\_ \times 7 = 49$	$9 \times \_\_\_\_\_ = 36$	$\_\_\_\_\_ \times 7 = 63$
$\_\_\_\_\_ \times 8 = 24$	$5 \times \_\_\_\_\_ = 20$	$\_\_\_\_\_ \times 8 = 72$	$7 \times \_\_\_\_\_ = 35$

Find the value of the variable.

$5 \times a = 30, \quad a = \_\_\_\_\_$

$5 \times y = 40, \quad y = \_\_\_\_\_$

$8 \times c = 72, \quad c = \_\_\_\_\_$

$4 \times d = 32, \quad d = \_\_\_\_\_$

$b \times 5 = 15, \quad b = \_\_\_\_\_$

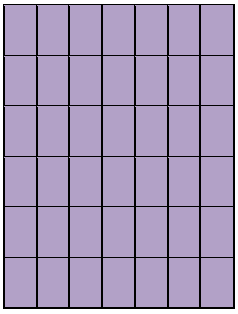
$t \times 16 = 32, \quad t = \_\_\_\_\_$

$z \times 6 = 42, \quad z = \_\_\_\_\_$

$b \times 8 = 48, \quad b = \_\_\_\_\_$

$4 \times d = 32 + 4, \quad d = \_\_\_\_\_$	$5 \times y = 40 + 5, \quad y = \_\_\_\_\_$
$z \times 6 = 42 + 12, \quad z = \_\_\_\_\_$	$b \times 5 = 30 - 15, \quad b = \_\_\_\_\_$

Write the missing factor shown by this array.



$6 \times \_\_\_\_\_ = 72$

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Answer Key

3.OA.B.4: Find all factor pairs for a whole number in the range 1-100. Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number in the range 1-100 is a multiple of a given one-digit number. Determine whether a given whole number in the range 1-100 is prime or composite.

Find the missing factors below.

$7 \times \_\_3\_\_ = 21$	$\_\_7\_\_ \times 7 = 49$	$9 \times \_\_4\_\_ = 36$	$\_\_9\_\_ \times 7 = 63$
$\_\_3\_\_ \times 8 = 24$	$5 \times \_\_4\_\_ = 20$	$\_\_9\_\_ \times 8 = 72$	$7 \times \_\_5\_\_ = 35$

Find the value of the variable.

$5 \times a = 30, \quad a =$ 6

$b \times 5 = 15, \quad b =$ 3

$5 \times y = 40, \quad y =$ 8

$t \times 16 = 32, \quad t =$ 2

$8 \times c = 72, \quad c =$ 9

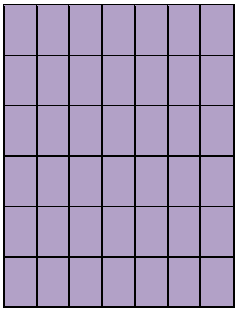
$z \times 6 = 42, \quad z =$ 7

$4 \times d = 32, \quad d =$ 8

$b \times 8 = 48, \quad b =$ 6

$4 \times d = 32 + 4, \quad d =$ 9	$5 \times y = 40 + 5, \quad y =$ 9
$z \times 6 = 42 + 12, \quad z =$ 9	$b \times 5 = 30 - 15, \quad b =$ 3

Write the missing factor shown by this array.



$6 \times \_\_7\_\_ = 42$