tutorified

3.OA.B.4 Finding 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.

4's Facts	
$4 \times 1 = 4$	$4 \times 6 = 24$
$4 \times 2 = 8$	$4 \times 7 = 28$
$4 \times 3 = 12$	$4 \times 8 = 32$
$4 \times 4 = 16$	$4 \times 9 = 36$
$4 \times 5 = 20$	$4 \times 10 = 40$

Find three integers that make the following statements true.

1. $4 \times$ _____ is greater than 26.
Answers: 7, 8, 9 (and greater integers)
   $4 \times 7 = 28$, $4 \times 8 = 32$, $4 \times 9 = 36$
2. $4 \times$ _____ is less than 23.
Answer: 5, 4, 3 (also 2 and 1)
   $4 \times 5 = 20$, $4 \times 4 = 16$, $4 \times 3 = 12$

Find three integers that would make each statement true.

$3 \times$ _____ is greater than 16	$3 \times$ _____ is less than 16
_____, _____, _____	_____, _____, _____
$9 \times$ _____ is greater than 30	$8 \times$ _____ is less than 38
_____, _____, _____	_____, _____, _____
$6 \times$ _____ is less than 40	$5 \times$ _____ is between 11 and 30
_____, _____, _____	_____, _____, _____
$2 \times$ _____ is between 13 and 21	$10 \times$ _____ between 1 and 41
_____, _____, _____	_____, _____, _____

Challenge Question:

Each child in the plaza should receive 3 apples. If the total number of apples are between 20 to 29, how many children are possibly in the plaza?

_____, _____, _____

3.OA.B.4 Finding 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.

4's Facts	
$4 \times 1 = 4$	$4 \times 6 = 24$
$4 \times 2 = 8$	$4 \times 7 = 28$
$4 \times 3 = 12$	$4 \times 8 = 32$
$4 \times 4 = 16$	$4 \times 9 = 36$
$4 \times 5 = 20$	$4 \times 10 = 40$

Find three integers that make the following statements true.

1. $4 \times$ _____ is greater than 26.
Answers: 7, 8, 9 (and greater integers)
   $4 \times 7 = 28$, $4 \times 8 = 32$, $4 \times 9 = 36$
2. $4 \times$ _____ is less than 23.
Answers: 5, 4, 3 (also 2 and 1)
   $4 \times 5 = 20$, $4 \times 4 = 16$, $4 \times 3 = 12$

Find three integers that would make each statement true.

$3 \times$ _____ is greater than 16 _____, _____, _____ any integer greater than 5	$3 \times$ _____ is less than 16 _____, _____, _____ any integer less than 6
$9 \times$ _____ is greater than 30 _____, _____, _____ any integer greater than 3	$8 \times$ _____ is less than 38 _____, _____, _____ any integer less than 5
$6 \times$ _____ is less than 40 _____, _____, _____ any integer less than 7	$5 \times$ _____ is between 11 and 30 __3__, __4__, __5__
$2 \times$ _____ is between 13 and 21 _____, _____, _____ any integer between 6 to 11	$10 \times$ _____ between 1 and 41 __2__, __3__, __4__

Challenge Question:

Each child in the plaza should receive 3 apples. If the total number of apples are between 20 to 29, how many children are possibly in the plaza?

   __7__, __8__, __9__