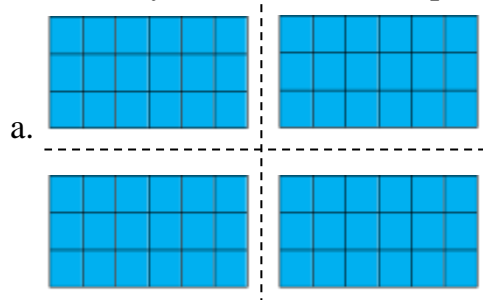


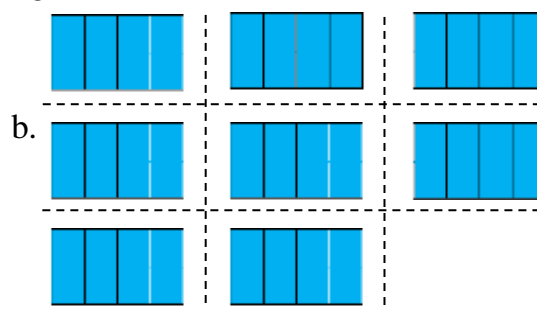
4.OA.B.4 Factors of Whole Numbers

4.OA.B.4 Find all factor pairs for a whole number in the range 1-100

1. Draw arrays to show the multiplication equations given below.

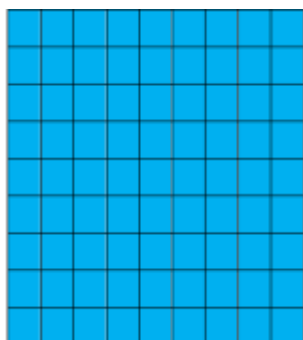


Solution:



Solution:

2. Write the number that the array shows. Find 3 ways to break apart the array and write the factors.



Solution:

3. Write two ways to make a multiplication sentence having two numbers so that the product of the two numbers is equal to the number given below.

- 12
- 28
- 30
- 36
- 40
- 42
- 45

Solution:

-
-
-
-
-
-
-

4. Which multiplication sentence is not correct?

- $32 = 2 \times 2 \times 6$
- $44 = 4 \times 11$
- $27 = 3 \times 3 \times 3$
- $46 = 2 \times 23$

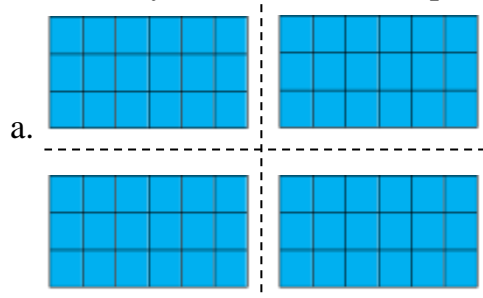
Solution:

4.OA.B.4 Factors of Whole Numbers

Answer Key

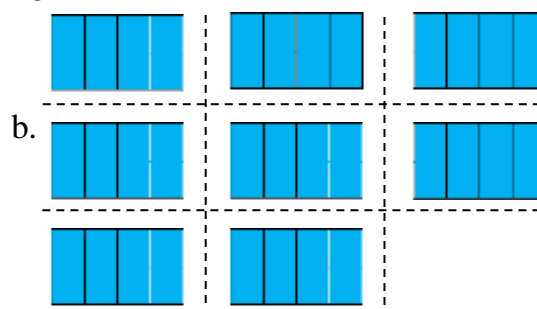
4.OA.B.4 Find all factor pairs for a whole number in the range 1-100

1. Draw arrays to show the multiplication equations given below.



Solution:

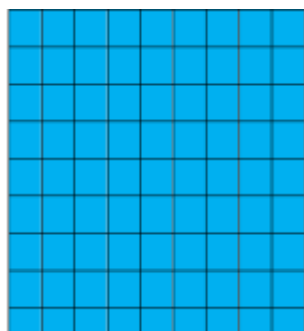
All four represent $3 \times 6 = 18$ each
Total = $3 \times 6 \times 4 = 72$



Solution:

All eight represent $2 \times 4 = 8$ each
Total = $2 \times 4 \times 8 = 64$

2. Write the number that the array shows. Find 3 ways to break apart the array and write the factors.



Solution:

81: 1×81 ; 3×27 ; 9×9

Factors: 1, 3, 9, 27, 81

3. Write two ways to make a multiplication sentence having two numbers so that the product of the two numbers is equal to the number given below.

- 12
- 28
- 30
- 36
- 40
- 42
- 45

Solution:

- 2×6 ; 4×3
- 2×14 ; 4×7
- 2×15 ; 3×10
- 6×6 ; 4×9
- 4×10 ; 5×8
- 7×6 ; 2×21
- 3×15 ; 5×9

4. Which multiplication sentence is not correct?

- $32 = 2 \times 2 \times 6$
- $44 = 4 \times 11$
- $27 = 3 \times 3 \times 3$
- $46 = 2 \times 23$

Solution: A