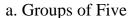
# tutorified

## 4.OA.A.2 Relating Operations

4.OA.A.2: Multiply or divide to solve word problems involving multiplicative comparison.

1. Make groups as directed and write the related subtraction and division sentence.



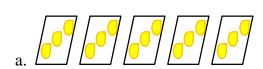


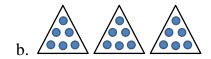
b. Groups of Three



Solution:

2. Write the related addition and multiplication sentence.





Solution:

b. \_\_\_\_

3. Write the related multiplication or division sentence.

d. 
$$7+7=14$$

Solution:

e.

g.

4. A pencil case can hold 10 pencils. A box of pencil cases can hold 10 pencil cases. The box already has 4 pencil cases. How many more pencils can fit in the box of pencil cases?

Solution:

5. A box of gloves contains 4 pairs and it costs \$8. Cristina wants to buy gloves for \$40. How many pairs of gloves can she get with \$40?

Solution:

6. Draw a picture to prove that  $2 \times 5 = 5 \times 2$ 

Solution:

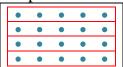
## 4.OA.A.2 Relating Operations

4.OA.A.2: Multiply or divide to solve word problems involving multiplicative comparison.

**Answer Key** 

1. Make groups as directed and write the related subtraction and division sentence.

a. Groups of Five



b. Groups of Three

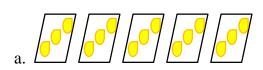


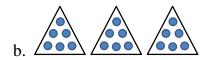
Solution:

a. 
$$20-5-5-5-5=0$$
$$20 \div 5=4$$

b. 
$$21 - 3 - 3 - 3 - 3 - 3 - 3 - 3 = 0$$
$$21 \div 3 = 7$$

2. Write the related addition and multiplication sentence.





Solution:

a. 
$$3+3+3+3+3=15$$
$$5\times 3=15$$

b. 
$$6+6+6=18$$
  
 $3 \times 6=18$ 

3. Write the related multiplication or division sentence.

$$d.7+7=14$$

a. 
$$12 \div 3 = 4$$

b. 
$$5 \times 4 = 20$$

c. 
$$27 \div 9 = 3$$

d. 
$$2 \times 7 = 14$$

#### Solution:

e. 
$$4 \times 3 = 12$$

f 
$$4 \times 6 = 24$$

g. 
$$48 \div 12 = 4$$

h. 
$$54 \div 9 = 6$$

- 4. A pencil case can hold 10 pencils. A box of pencil cases can hold 10 pencil cases. The box already has 4 pencil cases. How many more pencils can fit in the box of pencil cases?
- 5. A box of gloves contains 4 pairs and it costs \$8. Cristina wants to buy gloves for \$40. How many pairs of gloves can she get with \$40?

### Solution:

$$10 \times 10 = 100$$
;  $4 \times 10 = 40$   
 $100 - 40 = 60$  pencils

Solution:

$$$40 \div $8 = 5$$

$$5 \times 4 = 20$$
 pairs

6. Draw a picture to prove that  $2 \times 5 = 5 \times 2$ 



