

Name: _____

Date: _____

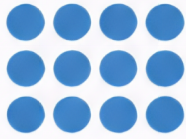
The Relationship Between Multiplication and Division



Multiplication and division are related!

They use the same numbers.

Example:



There are 3 rows.
There are 4 in each row.
There are 12 in all.

Multiplication

$$3 \times 4 = 12$$

$$4 \times 3 = 12$$

Division

$$12 \div 3 = 4$$

$$12 \div 4 = 3$$

1. Write the related multiplication and division facts.

Use the numbers from the array.

a.



Multiplication:

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

Division:

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

b.



Multiplication:

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

Division:

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

c.



Multiplication:

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

Division:

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

2. Use the fact family to complete each set of related facts.

a.

$$2 \times 7 = 14$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

b.

$$5 \times 3 = 15$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

c.

$$4 \times 6 = 24$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

3. Solve the problems.

a. There are 3 boxes.

Each box has 8 pencils.

How many pencils are there in all?

Answer: _____

b. There are 24 cookies.

They are put equally on 4 plates.

How many cookies are on each plate?

Answer: _____