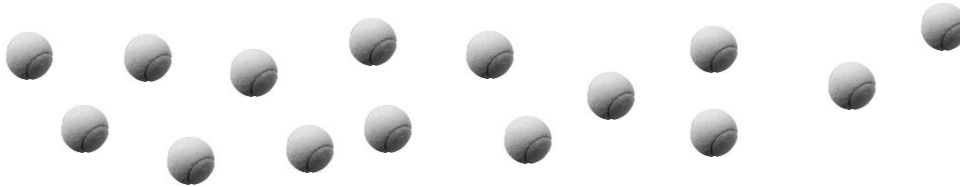


Name \_\_\_\_\_

Date \_\_\_\_\_

1. Rick puts 15 tennis balls into cans. Each can holds 3 balls. Circle groups of 3 to show the balls in each can.



Rick needs \_\_\_\_\_ cans.

\_\_\_\_\_ × 3 = 15

15 ÷ 3 = \_\_\_\_\_

2. Rick uses 15 tennis balls to make 5 equal groups. Draw to show how many tennis balls are in each group.

There are \_\_\_\_\_ tennis balls in each group.

5 × \_\_\_\_\_ = 15

15 ÷ 5 = \_\_\_\_\_

3. Use an array to model Problem 1.

a) \_\_\_\_\_ × 3 = 15

15 ÷ 3 = \_\_\_\_\_

The number in the blanks represents:

\_\_\_\_\_.

b) 5 × \_\_\_\_\_ = 15

15 ÷ 5 = \_\_\_\_\_

The number in the blanks represents:

\_\_\_\_\_.

4. Deena makes 21 jars of tomato sauce on her farm. She puts 7 jars in each box to sell at the supermarket. How many boxes does Deena need?

$$21 \div 7 = \underline{\quad}$$

$$\underline{\quad} \times 7 = 21$$

What is the meaning of the unknown factor and quotient? \_\_\_\_\_

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5. The teacher gives the problem  $4 \times \underline{\quad} = 12$ . Charlie finds the answer by writing and solving  $12 \div 4 = \underline{\quad}$ . Explain why Charlie's method works.

6. The blanks in Problem 5 represent the size of the groups. Draw an array to represent the number sentences.

Name \_\_\_\_\_ Date \_\_\_\_\_

1. Cesar arranges 12 notecards into rows of 6 for his presentation. Draw an array to represent the problem.

$$12 \div 6 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \times 6 = 12$$

What do the unknown factor and quotient represent? \_\_\_\_\_

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Mr. Hannigan puts 12 pencils into boxes. Each box holds 4 pencils. Circle groups of 4 to show the pencils in each box.



Mr. Hannigan needs \_\_\_\_\_ boxes.

\_\_\_\_\_  $\times$  4 = 12

12  $\div$  4 = \_\_\_\_\_

2. Mr. Hannigan places 12 pencils into 3 equal groups. Draw to show how many pencils are in each group.

There are \_\_\_\_\_ pencils in each group.

3  $\times$  \_\_\_\_\_ = 12

12  $\div$  3 = \_\_\_\_\_

3. Use an array to model Problem 1.

a) \_\_\_\_\_  $\times$  4 = 12

b) 3  $\times$  \_\_\_\_\_ = 12

12  $\div$  4 = \_\_\_\_\_

12  $\div$  3 = \_\_\_\_\_

The number in the blanks represents:

The number in the blanks represents:

\_\_\_\_\_.

\_\_\_\_\_.

4. Judy washes 24 dishes. She then dries and stacks the dishes equally into 4 piles. How many dishes are in each pile?

$$24 \div 4 = \underline{\hspace{2cm}}$$

$$4 \times \underline{\hspace{2cm}} = 24$$

What is the meaning of the unknown factor and quotient? \_\_\_\_\_

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5. Nate solves the problem  $\underline{\hspace{1cm}} \times 5 = 15$  by writing and solving  $15 \div 5 = \underline{\hspace{1cm}}$ . Explain why Nate's method works.

6. The blanks in Problem 5 represent the number of groups. Draw an array to represent the number sentences.