

**CHAPTER**  
**5****Multiplication and Division****PROBLEM SOLVING****Thinking Skills**

Complete the multiplication sentences.

Draw ○s to show the meaning of each sentence.

1.  $5 \times 7 =$  \_\_\_\_\_

$7 \times 5 =$  \_\_\_\_\_

**What is the difference between the two multiplication sentences?**

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Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Color all the values that are equal.**

**2.**

9 + 9 + 9 + 9

9 fours

32

36

4 nines

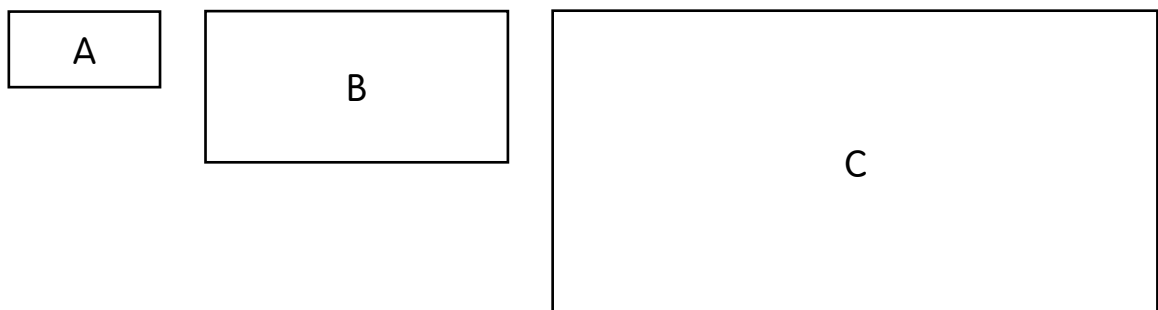
$18 \div 2$

$4 \times 9$

**Solve.**

**Show your work.**

- 3.** Four A boxes fill a B box.  
Four B boxes fill a C box.  
How many A boxes fill a C box?



\_\_\_\_\_ A boxes fill a C box.

Name: \_\_\_\_\_

Date: \_\_\_\_\_

4. Gerald has boxes of three different sizes: A boxes, B boxes, and C boxes.  
He uses five A boxes to fill one B box.  
He uses five B boxes to fill one C box.  
How many A boxes does Gerald use to fill one C box?

Gerald uses \_\_\_\_\_ A boxes to fill one C box.


**PROBLEM SOLVING**
**Strategies**
**Fill in the blanks.**

5. Complete the number pattern.

35, 28, 21, \_\_\_\_\_, 7

6. Use the numbers to form two multiplication sentences.  
You do not need to use all the numbers.

2, 3, 6, 7, 8, 16, 21

\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_

\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_

7. ☆, ☾, and △ all represent different numbers.  
☆ is less than ☾.

Find the number that each shape represents.

$$\boxed{\text{☆} \times \text{☾} = 8}$$

$$\boxed{\text{△} \div \text{☆} = 8}$$

☆ = \_\_\_\_\_    ☾ = \_\_\_\_\_    △ = \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Solve.**

**Show your work.**

8. A farmer has 4 ducks, 3 chickens, and some cows.  
The animals have 30 legs in all.  
How many cows does the farmer have?

The farmer has \_\_\_\_\_ cows.

9. Find the number that each fruit represents.

$$\text{Apple} \div 3 = \text{Orange}$$

$$\text{Orange} \times 6 = \text{Pear}$$

$$\text{Pear} - 2 = 28$$

$$\text{Apple} = \underline{\hspace{2cm}}$$

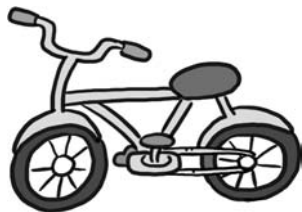
$$\text{Orange} = \underline{\hspace{2cm}}$$

$$\text{Pear} = \underline{\hspace{2cm}}$$

**PROBLEM SOLVING****Exploration****Solve.****Show your work.**

- 10.** Sue puts 24 sheets of paper into some files.  
Each file has an equal number of sheets.  
How many ways can she divide the sheets of paper among  
the files?  
Write a multiplication and a division sentence for each way.

- 11.** There are bicycles, tricycles, and cars in an open area.  
There are 32 wheels in all.  
How many bicycles, tricycles, and cars can there be?



Name: \_\_\_\_\_

Date: \_\_\_\_\_



## Journal Writing

**Solve and explain.**

**12.** Write two sentences about each number sentence.

$$3 \times 8$$

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$$12 \div 4$$

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**13.** Paul has two rabbits and some chickens.  
The animals have 14 legs in all.  
How many chickens does Paul have?  
Explain your answer.

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