MY Homework

Lesson 4

Hands On: Relate Division and Multiplication

Homework Helper

eHelp

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Find 32 ÷ 4.

1 Model 32 counters divided into 4 equal groups. There are 8 counters in each group.
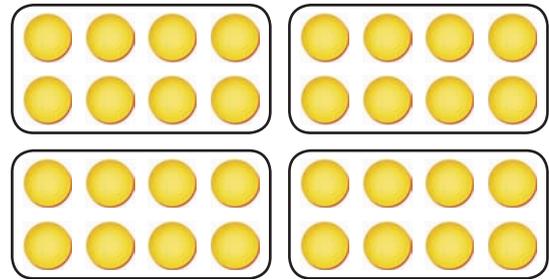
2 Write a division sentence.

$$32 \div 4 = 8$$

dividend   divisor   quotient

3 Write a multiplication sentence.

$$4 \times 8 = 32$$

number of groups   number in each group   number in all
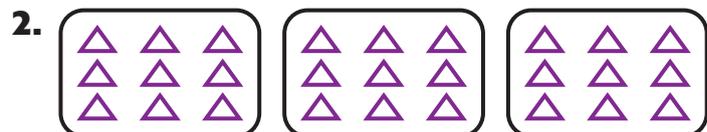
So, $32 \div 4 = 8$.

Practice

Write a related division and multiplication sentence for each.

1.

$10 \div 2 = 5; 2 \times 5 = 10$

2.
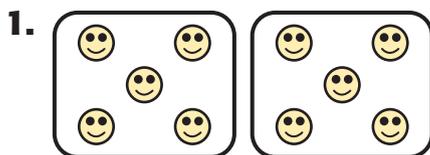
$27 \div 3 = 9; 3 \times 9 = 27$

Problem Solving

Draw a model to solve. Then write a division sentence.

3. 42 students need to divide equally into 7 vans going to the museum. How many students will be in each van?

$42 \div 7 = 6$

4. **Mathematical PRACTICE 4** **Model Math** Carla is giving out pencils to 30 students. The students are divided equally among 6 tables. How many pencils will Carla leave at each table?

$30 \div 6 = 5$

5. Mr. Rina has 7 glass figures. He will use 1 box to mail each glass figure to a customer. How many boxes does Mr. Rina need?

$7 \div 1 = 7$

My Drawing!

3. Students should draw 7 groups of 6.

4. Students should draw 6 groups of 5.

5. Students should draw 7 groups of 1.

Vocabulary Check

Use the vocabulary to label each number in the division sentence.

quotient   divisor   dividend

6. **dividend** → $48 \div 8 = 6$ ← **8.** **quotient**

7. **divisor**