

# Solve and Write Division Equations

## Guided Practice

Solve each equation. Check your solution. (Example 1)

1.  $\frac{m}{6} = 10$

2.  $\frac{k}{5} = 11$

3.  $\frac{v}{13} = 14$

Show  
your  
work.

4. Kerry and Tya are sharing a pack of stickers. Each girl gets 11 stickers. Write and solve a division equation to find how many total stickers there are. (Example 2)

5. Chen is buying a ham. He wants to divide it into 6.5-ounce servings for 12 people. Write and solve a division equation to find what size ham Chen should buy. (Example 3)

## Independent Practice

Solve each equation. Check your solution. (Examples 1 and 3)

1.  $5 = \frac{p}{4}$

2.  $17 = \frac{w}{6}$

3.  $4.7 = \frac{g}{3.2}$

Show  
your  
work.

Write and solve a division equation to solve each problem. (Examples 2 and 3)

4. Sophia is buying party favors. She has a budget of \$2.75 a person for 6 people. How much can Sophia spend on party favors?

5. Caroline baked 3 dozen oatmeal raisin cookies for the bake sale at school. This is one fourth the number of dozens of cookies she baked in all. How many dozens of cookies did she bake in all?



# Standardized Test Practice

11. Which value of  $x$  makes this equation true?

$$\frac{x}{7} = 14$$

- (A) 98
- (B) 21
- (C) 2
- (D) 0.5

## Extra Practice

Solve each equation. Check your solution.

12.  $4 = \frac{r}{8}$

Homework Help

$$4 = \frac{r}{8}$$

$$4(8) = \frac{r}{8}(8)$$

$$32 = r$$

13.  $12 = \frac{q}{7}$

14.  $18 = \frac{r}{2}$

15.  $\frac{h}{13} = 13$

16.  $\frac{j}{12} = 11$

17.  $\frac{z}{7} = 8$

18.  $\frac{c}{0.2} = 7$

19.  $\frac{d}{12} = 0.25$

20.  $\frac{m}{16} = 0.5$

**CCSS** Identify Structure Write and solve a division equation to solve each problem.

21. One third of a bird's eggs hatched. If 2 eggs hatched, how many eggs did the bird lay? \_\_\_\_\_
22. Marcel is purchasing a board to build a bookcase. He wants to divide the board into 1.75-foot sections. He needs 6 sections. What size board does Marcel need? \_\_\_\_\_
23. Blake is cutting a piece of rope into fourths. If each piece is 16 inches long, what is the length of the entire rope? \_\_\_\_\_