# MY Homework 

Lesson 6
Divide by 8 and 9

## Homework Helper

Samantha bought a set of silverware with 48 pieces.
She divides the pieces evenly among 8 sections of a tray.
How many pieces of silverware are in each section of the tray?
One Way Use counters to partition.
Use 48 counters to model dividing evenly among 8 groups.


There are 6 counters in each group.

Another Way Use repeated subtraction.

| (1) | (2) | (3) | (4) | (5) | (6) |
| ---: | ---: | ---: | ---: | ---: | ---: |
| 48 | 40 | 32 | 24 | 16 | 8 |
| $-\frac{8}{40}$ | $\frac{-8}{32}$ | $\frac{-8}{24}$ | $\frac{-8}{16}$ | $-\frac{1}{8}$ | $\frac{-8}{0}$ |

$48 \div 8=6$. So, there were 6 pieces of silverware in each section.

## Practice

Use counters to find the number of equal groups or the number in each group.

1. 27 counters 9 equal groups
3 in each group
So, $27 \div 9=3$.

> 2. 54 counters $\frac{9}{6 \text { in each group }}$ equal groups

So, $54 \div 9=6$.
3. 32 counters

8 equal groups 4 in each group
So, $32 \div 8=4$.
4. Use repeated subtraction to divide.

$$
63 \div 9=7
$$

Algebra Use the inverse operation to find each unknown.
5. $16 \div 8=$
■ $\times 8=16$
6. $-9=4$
7. $64 \div 8=$
$4 \times 9=$
$\square \times 8=64$
$=-2$
$=36$
$\square=8$

## Problem Solving

$\stackrel{\text { Mathematical }}{\text { PRACTICE }} \stackrel{2}{ }$ Use Algebra For Exercises 8 and 9, write a division sentence with a symbol for the unknown. Then solve.
8. Michael, the chef, has 18 pineapple slices to divide evenly among 9 fruit cups. How many pineapple slices will he put in each cup?

## $18 \div 9=■ ; 2$ pineapple slices

9. Kayla counted 40 chairs in the auditorium. There were 8 chairs in each row. How many rows of chairs were there?
$40 \div 8=■ ; 5$ rows
10. Simon sold 72 packages of popcorn for the fundraiser. There are 9 packages in each box. If he has delivered 27 packages, how many boxes does Simon have left to deliver?
5 boxes

## Test Practice

11. Which number sentence uses the inverse operation to find the unknown in the division sentence $81 \div 9=\square$ ?
(A) $90-9=81$
(c) $8 \times 9=72$
(B) $72+9=81$
(D) $9 \times 9=81$
