

# MY Homework

## Lesson 3

### Relate Division and Subtraction

## Homework Helper

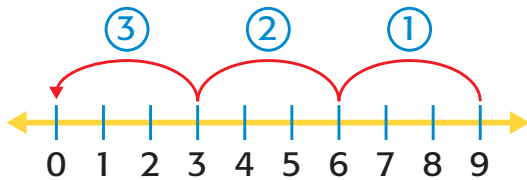


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Perry divides 9 berries evenly among 3 fruit cups. How many berries does Perry put in each cup? Write a division sentence with a symbol for the unknown. Solve.

$$9 \div 3 = \square \leftarrow \text{unknown}$$

**One Way** Use a number line.



Subtract equal groups of 3 until you reach 0. There are 3 groups.

So,  $9 \div 3 = 3$ .

**Another Way** Use repeated subtraction.

$$\begin{array}{r} \textcircled{1} \\ 9 \\ - 3 \\ \hline 6 \end{array} \quad \begin{array}{r} \textcircled{2} \\ 6 \\ - 3 \\ \hline 3 \end{array} \quad \begin{array}{r} \textcircled{3} \\ 3 \\ - 3 \\ \hline 0 \end{array}$$

Keep subtracting 3 until you reach 0. You subtracted 3 groups.

So,  $9 \div 3 = 3$ .

## Practice

Use repeated subtraction to divide.

1.



$$14 \div 2 = \underline{\hspace{2cm}}$$

2.



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

3.  $28 \div 7 = \underline{\hspace{2cm}}$

$$\begin{array}{r} 28 \\ - 7 \\ \hline \square \end{array} \quad \begin{array}{r} \square \\ - 7 \\ \hline \square \end{array} \quad \begin{array}{r} \square \\ - 7 \\ \hline \square \end{array} \quad \begin{array}{r} \square \\ - 7 \\ \hline \square \end{array}$$

4.  $30 \div 10 = \underline{\hspace{2cm}}$

$$\begin{array}{r} 30 \\ - \square \\ \hline \square \end{array} \quad \begin{array}{r} \square \\ - \square \\ \hline \square \end{array} \quad \begin{array}{r} \square \\ - \square \\ \hline \square \end{array}$$



# Problem Solving

**Algebra** Write a division sentence with a symbol for the unknown. Then solve.

5. There are 24 juice bottles, with 6 bottles in each package. How many packages of juice bottles are there?

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6. A mechanic equally divides 4 hours of his time to repair 8 cars. How many cars does he repair in one hour?

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7. On Monday, Helen's math teacher gave the class 45 problems to finish by Friday. Helen will do the same number of problems each day. How many problems will she do on Friday?

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## Vocabulary Check



Choose the correct word(s) to complete each sentence.

number line      repeated subtraction

8. Skip count backwards on a \_\_\_\_\_ to divide.
9. Use \_\_\_\_\_ to subtract equal groups repeatedly until you reach zero.

## Test Practice

10. Sal made 6 cups of oatmeal for himself and his 2 brothers. Each received an equal number of cups of oatmeal. Which number sentence represents this problem?

- (A)  $6 - 2 = 4$       (C)  $6 \times 2 = 12$   
(B)  $6 \div 3 = 2$       (D)  $6 - 3 = 3$