

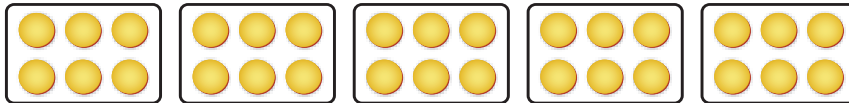
MY Homework**Lesson 5****Divide by 5****Homework Helper**Need help? connectED.mcgraw-hill.com

Rudy spent \$30 for 5 car models. Each model costs the same amount. How much did each car model cost?

Find $\$30 \div 5$, or $5 \overline{) \$30}$.

One Way Use counters and partition.

Partition 30 counters equally among 5 groups until there are none left.



There are 5 equal groups of 6.

Another Way Use repeated subtraction.

Subtract 5 until you get to 0. Count the number of times you subtracted.

$$\begin{array}{r} \textcircled{1} \\ 30 \\ - 5 \\ \hline 25 \end{array} \quad \begin{array}{r} \textcircled{2} \\ 25 \\ - 5 \\ \hline 20 \end{array} \quad \begin{array}{r} \textcircled{3} \\ 20 \\ - 5 \\ \hline 15 \end{array} \quad \begin{array}{r} \textcircled{4} \\ 15 \\ - 5 \\ \hline 10 \end{array} \quad \begin{array}{r} \textcircled{5} \\ 10 \\ - 5 \\ \hline 5 \end{array} \quad \begin{array}{r} \textcircled{6} \\ 5 \\ - 5 \\ \hline 0 \end{array}$$

Groups of 5 were subtracted 6 times.

Since $\$30 \div 5 = \6 , each model cost \$6.

Practice

Partition to find the number of equal groups or how many are in each group.

1. 45 counters

5 equal groups

_____ in each group

2. 5 counters

_____ equal groups

1 in each group

3. 20 counters

5 equal groups

_____ in each group

4. 50 counters

_____ equal groups

5 in each group

5. **Algebra** Draw an array and use the inverse operation to find the unknown.

$$\blacksquare \times 5 = 15$$

$$? \div 3 = 5$$

$$\blacksquare = \underline{\hspace{2cm}}$$

$$? = \underline{\hspace{2cm}}$$




Problem Solving

Write a division sentence with a symbol for the unknown for Exercises 6 and 7. Then solve.

6. Antonio scored 40 points on his math test. There were 5 questions on the test, and each was worth the same number of points. How many points did Antonio score for each question?
- _____

7. Lunch costs \$5. Marcus has \$35. How many days can he buy lunch?
- _____

8. **Mathematical PRACTICE**  **Model Math** Today 25 girls and 20 boys rode their bikes to school. Each bike rack at school holds 5 bikes. How many bike racks were filled?
- _____

Test Practice

9. Which number sentence represents this repeated subtraction exercise?

$$\begin{array}{r} 20 \\ - 5 \\ \hline 15 \end{array} \quad \begin{array}{r} 15 \\ - 5 \\ \hline 10 \end{array} \quad \begin{array}{r} 10 \\ - 5 \\ \hline 5 \end{array} \quad \begin{array}{r} 5 \\ - 5 \\ \hline 0 \end{array}$$

- (A) $20 \div 5 = 4$ (C) $20 - 20 = 0$
(B) $20 \div 2 = 10$ (D) $20 - 10 = 10$

My Work!