

MY Homework**Lesson 5****Divide by 4****Homework Helper**Need help? connectED.mcgraw-hill.com

The Dolan family bought a pack of 20 juice boxes. There are 4 people in the Dolan family. If they divide the juice boxes evenly, how many will each family member get?

Find the unknown in $20 \div 4 = \square$, or $4 \overline{)20}$.

Use multiplication to find the unknown.

Think: $\square \times 4 = 20$

You know that $5 \times 4 = 20$.

So, $20 \div 4 = 5$, or $4 \overline{)20}$.

The unknown is 5. Each family member will get 5 juice boxes.

Practice

Use counters to find how many are in each group.

1. 8 counters
4 equal groups

 2 in each group

So, $8 \div 4 = \underline{2}$.

2. 40 counters
4 equal groups

 10 in each group

So, $40 \div 4 = \underline{10}$.

3. 28 counters
4 equal groups

 7 in each group

So, $28 \div 4 = \underline{7}$.

4. 12 counters
4 equal groups

 3 in each group

So, $12 \div 4 = \underline{3}$.

Use repeated subtraction to divide.

5. $24 \div 4 = \underline{6}$

$$\begin{array}{r} 24 \\ - 4 \\ \hline 20 \end{array} \quad \begin{array}{r} 20 \\ - 4 \\ \hline 16 \end{array} \quad \begin{array}{r} 16 \\ - 4 \\ \hline 12 \end{array} \quad \begin{array}{r} 12 \\ - 4 \\ \hline 8 \end{array} \quad \begin{array}{r} 8 \\ - 4 \\ \hline 4 \end{array} \quad \begin{array}{r} 4 \\ - 4 \\ \hline 0 \end{array}$$

6. $16 \div 4 = \underline{4}$

$$\begin{array}{r} 16 \\ - 4 \\ \hline 12 \end{array} \quad \begin{array}{r} 12 \\ - 4 \\ \hline 8 \end{array} \quad \begin{array}{r} 8 \\ - 4 \\ \hline 4 \end{array} \quad \begin{array}{r} 4 \\ - 4 \\ \hline 0 \end{array}$$

Algebra Use the inverse operation to find each unknown.

7. $\underline{4} \times 2 = 8$

8. $9 \times \underline{4} = 36$

$\underline{8} \div 4 = 2$

$36 \div 4 = \underline{9}$



Problem Solving

Write a division sentence to solve.

9. A boat rental shop has enough boats for 28 people to ride. Each boat seats 4 people. How many boats does the shop have?

$28 \div 4 = 7$ boats

10. **Mathematical PRACTICE**  **Explain to a Friend** Ollie shared 24 marbles evenly with 3 friends. Kaitlyn shared 18 marbles evenly with 2 friends. Did Ollie or Kaitlyn's friends get more marbles? Explain.

Everyone got 6 marbles; $24 \div 4 = 6$ and $18 \div 3 = 6$

Test Practice

11. Each minute, 4 gallons of water flow into a bathtub. How many minutes does it take for the bathtub to have 32 gallons of water?

- (A) 6 minutes (C) 8 minutes
(B) 7 minutes (D) 9 minutes