

MY Homework

Lesson 9

Divide by 11 and 12

Homework Helper



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Jolene's little sister, Camille, is 36 months old.
How old is Camille in years?

Find $36 \div 12$.

Think of division as a missing factor problem.

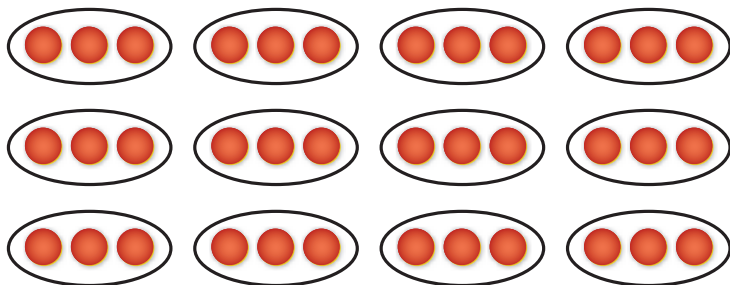
$$12 \times ? = 36$$

↑
The missing factor is 3.
↓

$$12 \times 3 = 36$$

So, $36 \div 12 = 3$. Camille is 3 years old.

Check using models. Partitioning 36 counters into 12 groups will result in 3 counters in each group.



Practice

Find the number of equal groups.

1. 77 counters
11 in each group

There will be _____ groups.

2. 60 counters
12 in each group

There will be _____ groups.

Use repeated subtraction to divide.

3. $48 \div 12 =$ _____

48	<input type="text"/>	<input type="text"/>	<input type="text"/>
$- 12$	$- 12$	$- 12$	$- 12$
<hr/>	<hr/>	<hr/>	<hr/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

4. $33 \div 11 =$ _____

33	<input type="text"/>	<input type="text"/>
$- 11$	$- 11$	$- 11$
<hr/>	<hr/>	<hr/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Algebra Use the inverse operation to find each unknown.

5. $88 \div 11 =$

$11 \times$ _____ $= 88$

The unknown is _____.

6. $12 \overline{)72}$

$12 \times$ _____ $= 72$


The unknown is _____.



Problem Solving

7. Tim is saving to buy a new cell phone that costs \$84. If he saves \$12 each month, in how many months will he have \$84?

8. A grocery store has 60 boxes of cereal. There are 12 different kinds of cereal. If there are an equal number of boxes of each kind, how many boxes of each kind are there?

9. **Mathematical PRACTICE**  **Keep Trying** Malcolm's family has 3 cats, 2 dogs, 2 rabbits, and 4 hamsters. Malcolm spends an equal amount of time each day playing with each animal. If he spends 55 minutes altogether, how much time did he spend with each animal?

Test Practice

10. Which number sentence can you use to check your answer when finding $44 \div 11$?

(A) $4 + 11 = 15$

(C) $4 \times 11 = 44$

(B) $44 - 11 = 33$

(D) $44 + 11 = 55$