

Name _____

MY Homework

Lesson 9

Divide by 10

Homework Helper



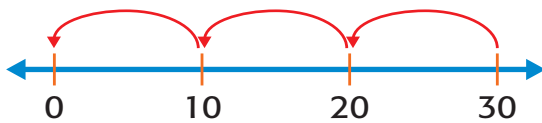
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Ms. Mickle's classroom has 30 desks with 10 desks in each row. How many rows of desks are there?

Find $30 \div 10$.

Subtract groups of 10 until you reach 0.

One Way Use a number line.



Another Way Use repeated subtraction.

①	②	③
$\begin{array}{r} 30 \\ - 10 \\ \hline 20 \end{array}$	$\begin{array}{r} 20 \\ - 10 \\ \hline 10 \end{array}$	$\begin{array}{r} 10 \\ - 10 \\ \hline 0 \end{array}$

Blue arrows point from the 20 result of the first subtraction to the 20 of the second, and from the 10 result of the second to the 10 of the third.

3 groups of 10 were subtracted and you know that $10 \times 3 = 30$.

So, $30 \div 10 = 3$. There are 3 rows of desks.

Practice

Use repeated subtraction to divide.

1. $70 \div 10 = \underline{\hspace{2cm}}$



2. $60 \div 10 = \underline{\hspace{2cm}}$

$\begin{array}{r} 60 \\ - 10 \\ \hline \end{array}$	$\begin{array}{r} - 10 \\ \hline \end{array}$	$\begin{array}{r} - 10 \\ \hline \end{array}$	$\begin{array}{r} - 10 \\ \hline \end{array}$	$\begin{array}{r} - 10 \\ \hline \end{array}$	$\begin{array}{r} - 10 \\ \hline \end{array}$	$\begin{array}{r} - 10 \\ \hline \end{array}$
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Blue arrows point from the 60 result of the first subtraction to the 10 of the second, and from the 10 result of the second to the 10 of the third, and so on.

Algebra Use a related multiplication fact to find each unknown.

3. $80 \div 10 = \blacksquare$

$10 \times \underline{\hspace{2cm}} = 80$

The unknown is .

4. $\blacksquare \div 10 = 3$

$10 \times 3 = \underline{\hspace{2cm}}$

The unknown is .

5. $\blacksquare \div 10 = 10$

$10 \times 10 = \underline{\hspace{2cm}}$

The unknown is .

6. $20 \div 10 = \blacksquare$

$10 \times \underline{\hspace{2cm}} = 20$


The unknown is .



Problem Solving

7. Morgan has 90 cents in her pocket. All of the change is in dimes. How many dimes does Morgan have in all?

8. Ricky spent \$90 at the supermarket. He bought \$30 worth of fruit. He spent the rest of the money on steaks. If he bought 10 steaks and they each cost the same amount, what was the price of each steak?

9. **Mathematical PRACTICE**  **Make Sense of Problems** Annie bought a bag of 80 mini-carrots. She eats 5 carrots with lunch each day and eats another 5 each night as a snack. In how many days will the bag of carrots be gone?

Test Practice

10. Bill has a collection of 60 books he wants to donate to the library. Which number sentence shows how Bill can divide the books equally as he packs them in boxes?

(A) $60 \div 6 = 10$

(C) $60 + 60 + 60 = 180$

(B) $60 - 10 = 50$

(D) $60 \times 1 = 60$