

MY Homework

Lesson 9

Place the First Digit

Homework Helper

Need help? connectED.mcgraw-hill.com**Find** $498 \div 6$.**Estimate** $500 \div 5 = 100$ **1****Divide the hundreds.**

There are not enough hundreds to divide into 6 groups. So, regroup 4 hundreds and 9 tens as 49 tens.

$$\begin{array}{r} 83 \\ 6 \overline{)498} \\ \underline{-48} \\ 18 \\ \underline{-18} \\ 0 \end{array}$$

2**Divide the tens.**

The first digit of the quotient is in the tens place.

3**Divide the ones.**

So, $498 \div 6 = 83$.

Check Multiply to check your answer. $83 \times 6 = 498$

Practice

Divide.

1. $6 \overline{)486}$

2. $6 \overline{)392}$

3. $5,920 \div 6 = \underline{\hspace{2cm}}$




Problem Solving

4. The phone company needs 420 poles to repair the telephone lines. Each truck holds 6 poles. How many trucks will they need?
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5. The festival committee has \$1,544 to spend on pies for the pie-eating contest. If each pie costs \$8, how many pies can the committee purchase?
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6. **Algebra** A group of 273 people take a canoe trip. Each canoe holds 3 people. How many canoes will the group need? Write an equation to find the unknown. Then find the unknown.
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My Work!



HOT Problems

7. **Mathematical PRACTICE**  **Which One Doesn't Belong?** Circle the expression that does not have a two-digit quotient.

$$519 \div 6$$

$$915 \div 7$$

$$439 \div 7$$

$$812 \div 9$$

Test Practice

8. A glass company ships 470 glass ornaments. Each box holds 5 ornaments. How many boxes will the company need?
- (A) 84 boxes
(B) 92 boxes
(C) 93 boxes
(D) 94 boxes