MY Homework

Homework Helper

eHelp

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Find 238 ÷ 62.

1 Estimate by using compatible numbers.

$$238 \div 62$$

$$240 \div 60 = 4$$

2 Try the estimate.

$$\begin{array}{r} 4 \\ 62\overline{)238} \\ -\ 248 \\ \hline \end{array}$$

Since 248 > 238, the estimated digit is too high.

3 Adjust. Try 3.

$$\begin{array}{r} 3\ \text{R52} \\ 62\overline{)238} \\ -\ 186 \\ \hline 52 \end{array}$$

52 < 62

So, 238 ÷ 62 = 3 R52.

Check for Reasonableness 3 R52 ≈ 4

Practice

Divide. Check each answer.

1. $48\overline{)1,261}$

2. $86\overline{)1,204}$

3. 428 ÷ 61 = _____

Algebra Divide to find the variable in each equation.

4. $140 \div 28 = t$

$t = $ _____

5. $2{,}075 \div 83 = c$

$c = $ _____

6. $531 \div 59 = n$

$n = $ _____

Real World Problem Solving

7. **Mathematical PRACTICE** 2 **Use Algebra** Woodfern School has a raffle each year to raise money for the music program. The raffle needs to sell 1,500 tickets. How many raffle ticket sellers are needed if each seller sells 75 tickets? Find the unknown number in the equation $1{,}500 \div 75 = t$.

_____

8. Given the area of a square is 225 square feet, what is the length of each side?

_____

9. The Rodriquez family is taking a 1,430-mile train ride. If the train travels 55 miles per hour, how many hours will the ride last?

_____

My Work!

Are we THERE YET?

Test Practice

10. Alaska has the longest coastline in the United States. Traveling at 60 miles per hour, how many hours would it take to travel along the Pacific Coast?

Alaska Coastline	
Coast	**Miles**
Pacific	5,580
Arctic	1,060

  Ⓐ 18 hours   Ⓒ 93 hours

  Ⓑ 23 hours   Ⓓ 103 hours