



Review

Do You Know How?



Dividing Whole Numbers by Two-Digit Divisors (4-4)

Dividing Larger Numbers (4-5)

Find each quotient. Check by multiplying.

1. $324 \div 81$ **4**

2. $286 \div 68$ **4 R14**

3. $416 \div 52$ **8**

4. $484 \div 24$ **20 R4**

5. $812 \div 19$ **42 R14**

6. $596 \div 32$ **18 R20**

A. I used estimation to get $300 \div 100 = 3$. So I started dividing ones, and got 4. Then I multiplied 4 by 68 to get 272. Then I subtracted to get a remainder of 14.

Do You Understand?



A Explain how you found the quotient in Exercise 2.

B How could you tell that the quotient for Exercise 6 is less than 20?
Sample answer: The estimate $600 \div 30 = 20$ is an overestimate, because the dividend is rounded up and the divisor is rounded down.

Dividing: Choose a Computation Method (4-6)

Dividing with Zeros in the Quotient (4-7)

Calculate each quotient.

7. $4,500 \div 900$ **5**

8. $2,840 \div 40$ **71**

9. $3,700 \div 37$ **100**

10. $1,350 \div 90$ **15**

11. $5,796 \div 28$ **207**

12. $6,776 \div 22$ **308**

C. I used mental math because I know that $45 \div 9 = 5$. I know that 45 hundreds $\div 9$ hundreds is 5.

D. Sample answer: In both cases, after dividing the hundreds, there are no tens to divide, so a zero must be placed in the tens place.

C Tell what method you used for Exercise 7 and why.
See left.

D Why is a zero needed in each quotient for Exercises 11–12?
See above.

13. Sample answer: How much money did Pat receive from his brother and sister? (\$40); How much money did Pat receive from his friends? (\$180); Pat received \$15 from each friend.

Problem-Solving Skill: Multiple-Step Problems (4-8)

Write and answer the hidden question or questions in the problem and then solve the problem. Write your answer in a complete sentence.

13. For his birthday, Pat received the same amount of money from each of his 12 friends, plus \$20.00 from his older brother and \$20.00 from his sister. If Pat received a total of \$220.00, how much did each friend give him? **See above right.**

E. The \$220 includes \$20 from his brother and \$20 from his sister.

E Explain why you cannot just divide \$220.00 by 12 to find how much each of Pat's friends gave him for his birthday?
See above.

F Write a two-step problem about Tina that has a hidden question. Then solve the problem. **See below.**

Tina walks 4 blocks from home to school each morning. She walks 6 blocks from school to her grandmother's house everyday after school.

Sample answer: How many blocks does Tina walk each week?; 50 blocks