

End of Module 2 Assessment Study Guide

1. Write the missing divisor using a power of 10. Then show your reasoning using a place value chart.

a. $7.4 \div \underline{\hspace{2cm}} = 0.074$

b. $1793 \div \underline{\hspace{2cm}} = 1.793$

2. Estimate the quotient. Show all lines of your work. Explain your thinking in writing below.

a. $573 \div 82 \approx \underline{\hspace{2cm}}$

b. $1,391 \div 698 \approx \underline{\hspace{2cm}}$

3. Create and solve another division problem that has the SAME quotient and remainder as the two problems below. Explain in writing your strategy for creating the new problem.

$$\begin{array}{r}
 \overline{) 138} \\
 \underline{- 124} \\
 14
 \end{array}$$

4 R 14

$$\begin{array}{r}
 \overline{) 78} \\
 \underline{- 64} \\
 14
 \end{array}$$

4 R 14

create and solve a division problem with a quotient of 4 and a remainder of 14:

Explain your strategy:

Name _____ # _____ Date _____

4. Jackson says that $33 \div 6$ equals $28 \div 5$ because both have quotients of 5 R3. Show his mistake using decimal division.

5. A rectangular playground has an area of 2987 square meters. If the width is 29 meters, what is the length?

Draw and label the playground. Solve. Check. Write your answer as a sentence.

6. Show an estimate, solve, and check. Your answer WILL have a remainder.

$$342 \div 79 =$$

Name _____ # _____ Date _____

7. Show an estimate, solve, and check. Your quotient will be a decimal number.

$$3.5 \div 50 =$$

8. Solve. For (b) and (c), explain your thinking.

a. $4.2 \div 6 =$ _____

b. $42 \div 6 =$ _____

c. $4.2 \div 60 =$ _____

9. Amelia's Best Bakery uses 6.5 pounds of flour daily. How many ounces of flour will Amelia use in 2 weeks? (1 lb = 16 ounces). Show your work step-by-step. Label all parts of your work. Write your answer in a sentence.

Name _____ # _____ Date _____

10. At Amelia's Best Bakery, a recipe of bread calls for 13 ounces of flour. If Amelia uses all of the flour (from the answer to #9) to make loaves of bread, how many full loaves of bread can she make in 2 weeks?

Draw a picture. Solve. Label your work. Write your answer in a sentence.

11. Lindsey's Cake-o-rama Shop is famous for making cakes. Lindsey sends 102 cakes to one grocery store. She can pack up to 15 cakes in one box for shipping. How many boxes will Lindsey need to ship all 102 cakes?

Draw a picture. Solve. Label your work. Write your answer in a sentence.

12. Andrew's Donuts Deluxe shop pays \$.70 per pound of sugar and \$1.50 per pound of butter. **Write an expression** that shows how much Andrew will spend if he buys 8 pounds of sugar and 9 pounds of ~~sugar~~ butter. Then solve the expression.

Name _____ # _____ Date _____

13. Andrew pays \$.70 for 1 pound of sugar for his donut shop. One pound of colored sprinkles costs $\frac{1}{10}$ as much as one pound of sugar. Andrew needs 100 pounds of sprinkles. How much will Andrew spend on sprinkles? Show your work on a place value chart. Write your answer in a sentence.

Explain with words what happened to the placement of the decimal as you completed your work.