

Complete the pattern.

2. $225 \div 1 =$ _____

$225 \div 10 =$ _____

$225 \div 100 =$ _____

$225 \div 1,000 =$ _____

3. $605 \div 1 =$ _____

$605 \div 10 =$ _____

$605 \div 100 =$ _____

$605 \div 1,000 =$ _____

4. $74.3 \div 1 =$ _____

$74.3 \div 10 =$ _____

$74.3 \div 100 =$ _____

**MTR 4.1** Engage in discussions on mathematical thinking.

What happens to the value of a number when you divide by 10, 100, or 1,000?

On Your Own**Complete the pattern.**

5. $156 \div 1 =$ _____

$156 \div 10 =$ _____

$156 \div 100 =$ _____

$156 \div 1,000 =$ _____

6. $32 \div 1 =$ _____

$32 \div 10 =$ _____

$32 \div 100 =$ _____

$32 \div 1,000 =$ _____

7. $23 \div 1 =$ _____

$23 \div 10 =$ _____

$23 \div 100 =$ _____

$23 \div 1,000 =$ _____

8. $12.7 \div 1 =$ _____

$12.7 \div 10 =$ _____

$12.7 \div 100 =$ _____

9. $92.5 \div 1 =$ _____

$92.5 \div 10 =$ _____

$92.5 \div 100 =$ _____

10. $86.3 \div 1 =$ _____

$86.3 \div 10 =$ _____

$86.3 \div 100 =$ _____

MTR Find the value of n .

11. $268 \div n = 0.268$

$n =$ _____

12. $n \div 100 = 0.123$

$n =$ _____

13. $n \div 10 = 4.6$

$n =$ _____

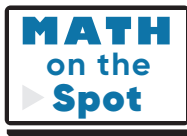
14. Loretta is trying to build the largest taco in the world. She uses 2,000 pounds of ground beef, one-tenth as many pounds of cheese as beef, and one-hundredth as many pounds of lettuce as beef. How many pounds of lettuce and cheese combined did she use?

Problem Solving • Applications

Use the table to solve Problems 15–17.

15. How much more cornmeal than flour does each muffin contain?

16. If each muffin contains the same amount of sugar, how many kilograms of sugar, to the nearest thousandth, are in each corn muffin?

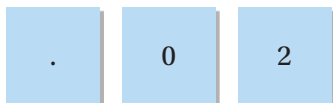


17. **MTR** The bakery decides to make only 100 corn muffins on Tuesday. How many kilograms of sugar will be needed?

18. **WRITE** *Math* Explain how you know that the quotient $47.3 \div 10$ is equal to the product 47.3×0.1 .

19. Use the numbers on the tiles to complete each number sentence.

$$62.4 \div 1 = \underline{\hspace{2cm}}$$



$$62.4 \div 10 = \underline{\hspace{2cm}}$$



$$62.4 \div 100 = \underline{\hspace{2cm}}$$



**Dry Ingredients
for 1,000 Corn Muffins**

Ingredient	Number of kilograms
cornmeal	150
flour	110
sugar	66.7
baking powder	10
salt	4.17