Name _____

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. $74.3 \div 1 =$ _____
$74.3 \div 10 =$ _____
$74.3 \div 100 =$ _____

Math Talk

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.

Dry Ingredients for 1,000 Corn Muffins	
Ingredient	**Number of kilograms**
cornmeal	150
flour	110
sugar	66.7
baking powder	10
salt	4.17

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?

MATH on the Spot

_____

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.

$62.4 \div 1 =$ _____

$62.4 \div 10 =$ _____

$62.4 \div 100 =$ _____

.	0	2
	4	6