

## Summary 4.11

You can use familiar strategies, including the associative and Distributive Properties, to multiply a whole number and a decimal.

$$5 \times 0.53$$

Whole numbers	$5 \times 53$
Associative property	$(5 \times 53) \times 0.01$
Distributive Property	$(5 \times 0.5) + (5 \times 0.03)$

## Practice 4.11

- 1 Match each expression with its product.

**Expression**

**Product**

a.  $4 \times 0.7$

\_\_\_\_\_ 8.28

b.  $4 \times 2.07$

\_\_\_\_\_ 4.08

c.  $4 \times 0.12$

\_\_\_\_\_ 2.8

d.  $4 \times 1.02$

\_\_\_\_\_ 0.48

2



The table shows expressions and corresponding values. Determine if each expression represents the value.

Select **THREE** correct answers.

Expression	Value
<input type="radio"/> $8 \times 0.9$	7.2
<input type="radio"/> $6 \times 0.02$	4.8
<input type="radio"/> $2 \times 3.15$	6.3
<input type="radio"/> $7 \times 0.3$	0.21
<input type="radio"/> $9 \times 1.1$	9.9

3

Priya found 12 nickels while walking around her neighborhood. How much money did Priya find?



Show or explain your thinking.

answer: \_\_\_\_\_

4

5 cats each weigh 6.31 pounds. How much do the cats weigh in all?



Show or explain your thinking.

answer: \_\_\_\_\_

**Spiral Review**

- 5 Determine the product  $532 \times 87$  using the standard algorithm.



Show your thinking.

answer: \_\_\_\_\_

For Problems 6–13, determine the value of the expression.

6  $9 \times 8$  \_\_\_\_\_

7  $7 \times 11$  \_\_\_\_\_

8  $4 \times 9$  \_\_\_\_\_

9  $8 \times 4$  \_\_\_\_\_

10  $50 \div 5$  \_\_\_\_\_

11  $11 \div 11$  \_\_\_\_\_

12  $35 \div 7$  \_\_\_\_\_

13  $88 \div 11$  \_\_\_\_\_