

## **Lesson 5 Practice Problems**

- 1. a. Find the product of each number and  $\frac{1}{100}$ .
  - 122.1
- 11.8
- 1350.1
- 1.704
- b. What happens to the decimal point of the original number when you multiply it by  $\frac{1}{100}$ ? Why do you think that is? Explain your reasoning.
- 2. Which expression has the same value as  $(0.06) \cdot (0.154)$ ? Select **all** that apply.

A. 
$$6 \cdot \frac{1}{100} \cdot 154 \cdot \frac{1}{1,000}$$

B. 
$$6 \cdot 154 \cdot \frac{1}{100,000}$$

$$C.6 \cdot (0.1) \cdot 154 \cdot (0.01)$$

D. 
$$6 \cdot 154 \cdot (0.00001)$$

- E. 0.00924
- 3. Calculate the value of each expression by writing the decimal factors as fractions, then writing their product as a decimal. Show your reasoning.

a. 
$$(0.01) \cdot (0.02)$$

b. 
$$(0.3) \cdot (0.2)$$

c. 
$$(1.2) \cdot 5$$

d. 
$$(0.9) \cdot (1.1)$$



- 4. Write three numerical expressions that are equivalent to  $(0.0004) \cdot (0.005)$ .
- 5. Calculate each sum.

a. 
$$33.1 + 1.95$$

a. 
$$33.1 + 1.95$$
 a.  $1.075 + 27.105$  a.  $0.401 + 9.28$ 

a. 
$$0.401 + 9.28$$

(From Unit 5, Lesson 3.)

6. Calculate each difference. Show your reasoning.

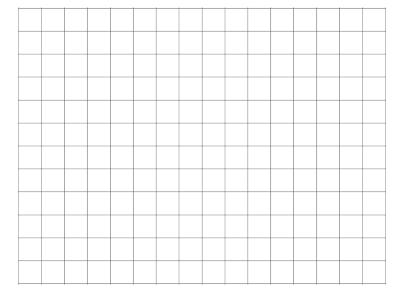
a. 
$$13.2 - 1.78$$

a. 
$$13.2 - 1.78$$
 a.  $23.11 - 0.376$  a.  $0.9 - 0.245$ 

a. 
$$0.9 - 0.245$$

(From Unit 5, Lesson 4.)

7. On the grid, draw a quadrilateral that is not a rectangle that has an area of 18 square units. Show how you know the area is 18 square units.



(From Unit 1, Lesson 3.)