

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

e.  $(1.5) \cdot 2$

4. Write three numerical expressions that are equivalent to  $(0.0004) \cdot (0.005)$ .

5. Calculate each sum.

a.  $33.1 + 1.95$

a.  $1.075 + 27.105$

a.  $0.401 + 9.28$

(From Unit 5, Lesson 3.)

6. Calculate each difference. Show your reasoning.

a.  $13.2 - 1.78$

a.  $23.11 - 0.376$

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.)