Place Value Patterns and Decimal Operations: End-of-Unit Assessment

1. Select **all** correct statements.

   A. $1.000 = 1$

   B. $0.99 > 1$

   C. $1.53 < 1.62$

   D. $813.8 > 388.1$

   E. $0.001 = 0.01$

   F. $0.208 > 0.45$

2. Select **all** correct ways to represent the number 12.085.

   A. $(1 \times 10) + (2 \times 1) + \left(8 \times \frac{1}{10}\right) + \left(5 \times \frac{1}{100}\right)$

   B. $(1 \times 10) + (2 \times 1) + \left(8 \times \frac{1}{100}\right) + \left(5 \times \frac{1}{1{,}000}\right)$

   C. twelve and eighty-five thousandths

   D. twelve and eighty-five hundredths

   E. twelve and eighty-five tenths

3. What is 1.357 rounded to the nearest hundredth? What about to the nearest tenth? To the nearest whole number? Explain or show your reasoning.

4. Find the value of each expression. Explain or show your reasoning.

   a. $613.5 + 7.68$

   b. $64.38 - 17.9$

5. In which number does the 6 represent $\frac{1}{1{,}000}$ the value of the 6 in 16.003?

   A. 3

   B. 10.006

   C. 16.004

   D. 16,003

6. Find the value of each expression.

a. $13.74 + 105.6$

b. $218.92 - 17.4$

c. 3×0.6

d. 5×0.03

e. 0.4×0.5

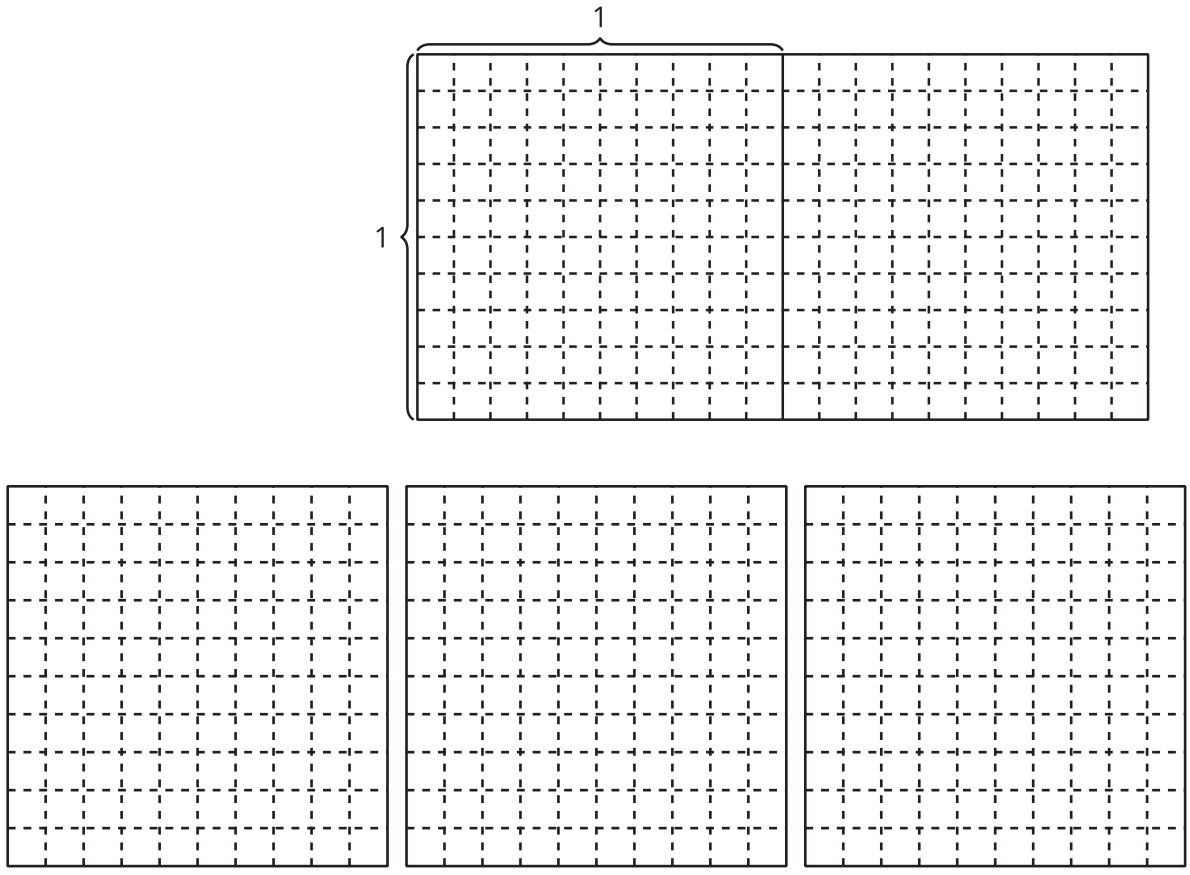
f. 3.5×0.7

7. Find the value of each product or quotient. Explain or show your reasoning. Use the grids if they are helpful.

   a. 1.6×0.7

   b. $3 \div 0.1$

   c. $0.6 \div 4$



8. Find the value of each expression. Explain or show your reasoning.

a. 999.98×37

b. $200.1 - 163.68$

c. $683 \div 0.02$