

Name: \_\_\_\_\_

## Unit 3: Multiplying & Dividing Decimals - Unit test review

**Outcome:** N6.4 Extend understanding of multiplication and division to decimals (1-digit whole number multipliers and 1-digit natural number divisors).

1. Estimate each product or quotient. Show your work.

a)  $20.642 \times 6$  \_\_\_\_\_

b)  $2.1 \times 4$  \_\_\_\_\_

c)  $67.9 \div 8$  \_\_\_\_\_

d)  $23.091 \div 3$  \_\_\_\_\_

2. Multiply or divide. Show your work.

a)  $7.89 \text{ cm} \times 6$

b)  $\$23.84 \div 7$

3. Jason works in a pharmacy. In 1 h, he fills 4 tubes of prescriptive cream. Each tube contains 4.78 ml of cream. How much cream did Jason package into tubes? Show your work.

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4. Multiply as you would whole numbers. Estimate to place the decimal point.  
Show your work.

a)  $0.634 \times 2$

b)  $0.09201 \times 8$

c)  $0.042 \times 3$

5. Estimate and circle the correct quotient for each division question.

Question	Possible Quotients		
a) $8.124 \div 6$	1.354	13.54	134.5
b) $37.92 \div 3$	0.1264	1.264	12.64
c) $7.624 \div 8$	0.953	9.53	95.3

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6. Multiply. Describe the strategy you use.

$0.024 \times 6$  \_\_\_\_\_

$0.0024 \times 6$  \_\_\_\_\_

$0.00024 \times 6$  \_\_\_\_\_

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7. The weight of a baseball is 5.25 ounces. What is the combined mass of 5 baseballs? Show your work.

8. A student said that since  $11 \times 2 = 22$ , then  $0.0011 \times 2$  is 0.22.

Is the student's reasoning correct? Explain

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9. A student divided 2.345 by 5 and got 4.69.

a) Without dividing, how do you know the answer is incorrect?

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b) What do you think the student did wrong?

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c) What is the correct answer? How can you check?

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10. Alice rode her bike 12.67 km in 10 min. Jesse rode his bike 8.43 km in 8 min.  
Who travelled farther in 1 min.? Show your work.

11. One week, Clarke walked to school 4 days. He walked 31.843 km in total.  
The following week, Clarke walked to school all 5 days.  
How far did Clarke walk the second week? Show your work.