Name	Period			
	Unit 5 Ba	ase 10 Week of 3/2/20		
Learning Targ	ets from 6 th Grade Commo	on Core State Standards:		
Lesson 5 Dec I can of Lesson 6 Met I known and portion of Lesson 7 Usin of Lesson 7 Usin of Lesson 8 Carrows I known and portion of Lesson 8 Carrows I known and portion of Lesson 7 Usin of Lesson 8 Carrows I known and portion of Lesson I known and portion of Lesson I known and portion of Lesson I known and portion of Lesso	imal points in products use place value and fract hods for Multiplying Decimal v and can explain more to lace value. use area diagrams to replals. Ing Diagrams to Represent I use area diagrams and plals. Iculating Products of Decimals v how to use a product of	tions to reason about multiplication als han one way to multiply decimals u present and reason about multiplical Multiplication partial products to represent and find	sing fractio ition of d products	ns of
This Week's \ sum diffe	/ocabulary Words: decimal rence place value	bundle regroup pow	er of ten a model ram	
	due the following day.	I I I I I I I I I I I I I I I I I I I	Camanlata	Compot
Day	Class work—All in Spiral using iPad	Homework	Complete	Correct
Monday	Lesson 5 Decimal Points in Products pdf page 22	U5 L4 HW Problems All	/4	/12
Tuesday	Lesson 6 Methods for Multiplying Decimals pdf page 28	U5 L5 HW Problems 1, 2, 3, 5, 6, skip 4, 7 is the challenge	/4	/21
Wednesday	Lesson 7 Using Diagrams to Represent Multiplication pdf page 32	U5 L6 HW Problems 1, 2, 3, 4a, 4b, skip 4c and 4d, 5, 6, 7a, 7b skip 7c	/4	/14
Thursday	Lesson 7 continues	U5 L7 HW Problems All	/4	/15
Friday	Lesson 8 Calculating Products of Decimals	None		
		Total	/16	
		Quality	/4	
it again and w please do not Work is	rite down the information y leave blank or write "?" or thorough with detailed ex	Total on't know how to complete a problem ou have, draw a picture, or write a que idk. You can also come in and get help planations (2 pts) ons needed) in a different color pen/pe	estion you had before sch	ave,

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Unit 5, Lesson 4: Adding and Subtracting Decimals with **Many Non-Zero Digits**



1. For each subtraction problem, circle the correct calculation.

a.
$$7.2 - 3.67$$

$$7.20$$
 -3.67

2. Explain how you could find the difference of 1 and 0.1978.

- 3. A bag of chocolates is labeled to contain 0.384 pound of chocolates. The actual weight of the chocolates is 0.3798 pound.
 - a. Are the chocolates heavier or lighter than the weight stated on the label? Explain how you know.
- b. How much heavier or lighter are the chocolates than stated on the label? Show your reasoning.

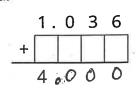


4. Complete the calculations so that each shows the correct sum. On back

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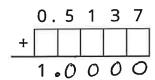
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a.



b.

C.



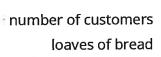
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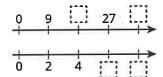
5. A shipping company is loading cube-shaped crates into a larger cube-shaped container. The smaller cubes have side lengths of $2\frac{1}{2}$ feet, and the larger shipping container has side lengths of 10 feet. How many crates will fit in the large shipping container? Explain your reasoning.

/

(from Unit 4, Lesson 14)

6. For every 9 customers, the chef prepares 2 loaves of bread. Here is double number line showing varying numbers of customers and the loaves prepared.





- a. Complete the missing information.
- b. The same information is shown on a table. Complete the missing information.

customers	loaves
9	2
	4
27	
	14
1	

- c. Use either representation to answer these questions.
 - How many loaves are needed for 63 customers?
 - How many customers are there if the chef prepares 20 loaves?
 - How much of a loaf is prepared for each customer?

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Unit 5, Lesson 5

21

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.

6

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

5

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.
$$(1.5) \cdot 2$$

/0

4. Write three numerical expressions that are equivalent to (0.0004) \cdot (0.005). \mathcal{G}

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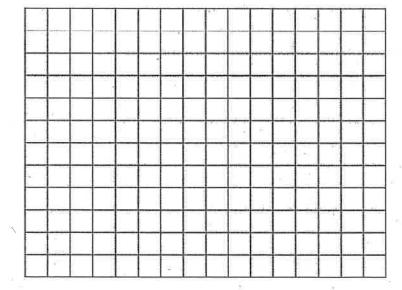
- 5. Calculate each sum.
 - a. 33.1 + 1.95
- b. 1.075 + 27.105
- c. 0.401 + 9.28



- 6. Calculate each difference. Show your reasoning.
 - a. 13.2 1.78
- b. 23.11 0.376
- c. 0.9 0.245



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.



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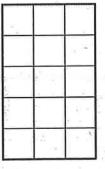
Unit 5, Lesson 6

Practice Problems

- 1. Find each product. Show your reasoning.
 - a. $(1.2) \cdot (0.11)$
 - b. $(0.34) \cdot (0.02)$
 - c. $120 \cdot (0.002)$



- 2. You can use a rectangle to represent $(0.3) \cdot (0.5)$.
 - a. What must the side length of each square represent for the rectangle to correctly represent $(0.3) \cdot (0.5)$?
 - b. What area is represented by each square?
 - c. What is $(0.3) \cdot (0.5)$? Show your reasoning.





- 3. One gallon of gasoline in Buffalo, New York costs \$2.29. In Toronto, Canada, one liter of gasoline costs \$0.91. There are 3.8 liters in one gallon.
 - a. How much does one gallon of gas cost in Toronto? Round your answer to the nearest cent.
- b. Is the cost of gas greater in Buffalo or in Toronto? How much greater?



4. Calculate each sum or difference:

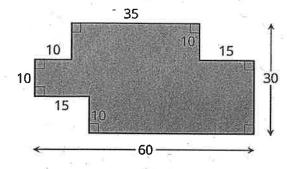


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5. Find the value of $\frac{49}{50} \div \frac{7}{6}$ using any method.



6. Find the area of the shaded region. All angles are right angles. Show your reasoning.





7. a. Priya finds $(1.05) \cdot (2.8)$ by calculating $105 \cdot 28$, then moving the decimal point three places to the left. Why does Priya's method make sense?



- b. Use Priya's method to calculate (1.05) \cdot (2.8). You can use the fact that $105 \cdot 28 = 2,940$.
- c. Use Priya's method to calculate (0.0015) \cdot (0.024). $5 \times 10^{\circ}$

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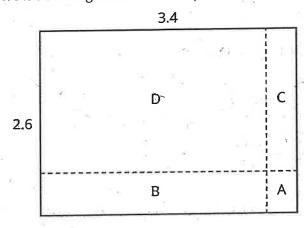
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Unit 5, Lesson 7

Practice Problems

1. Here is a rectangle that has been partitioned into four smaller rectangles.



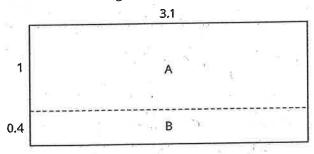
For each expression, choose a subrectangle whose area, in square units, matches the expression.

a.
$$3 \cdot (0.6)$$

c.
$$(0.4) \cdot (0.6)$$

4

2. Here is an area diagram that represents $(3.1) \cdot (1.4)$.



a. Find the areas of sub-rectangles A and B.

b. What is the area of the 3.1 by 1.4 rectangle?

1

3. Draw an area diagram to find $(0.36) \cdot (0.53)$. Label and organize your work so that it can be followed by others.

1

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- 4. Find each product. Show your reasoning.
 - a. $(2.5) \cdot (1.4)$

b. $(0.64) \cdot (0.81)$

2

5. Complete the calculations so that each shows the correct sum or difference.

4

- 6. Diego bought 12 mini muffins for \$4.20.
 - a. At this rate, how much would Diego pay for 4 mini muffins?
 - b. How many mini muffins could Diego buy with \$3.00? Explain or show your reasoning. If you get stuck, consider using the table.

number of mini muffins	price in dollars	
12	4.20	
, · J	A. 1747	
	8 * 11	
200.6		

1