

# Assignment Record Sheet

Math Core C

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

**Week: 2/3 - 2/7**

Unit Name: Comparing and Scaling

Periods: 3 & 5

Date Assigned	Focus Question??	Homework (IP=in packet)	Meets Expectation (15 points)	Approaching Expectations (5 points)	Below Expectation (0 points)
<b>Monday Feb. 3</b>	<i>How can you find a unit rate in a description, an equation, a table, or a graph?</i>	<b>WU:</b> Khan Academy unit rate video <b>CW:</b> Prob. 2.3 A (IP) <b>HW:</b> ACE #10 & 27 (IP)	<b>WU:</b> <b>CW:</b> <b>HW:</b>		
<b>Tuesday Feb. 4</b>	<i>How can you find a unit rate in a description, an equation, a table, or a graph?</i>	<b>WU:</b> None <b>CW:</b> Math Review <b>HW:</b> None	<b>WU:</b> <b>CW:</b> <b>HW:</b>		
<b>Wed. Feb. 5</b>	<i>How can you find a unit rate in a description, an equation, a table, or a graph?</i>	<b>WU:</b> Lattice wksht (IP) <b>CW:</b> Prob. 2.3 B-C p. 49 <b>HW:</b> ACE #18-21 p. 56	<b>WU:</b> <b>CW:</b> <b>HW:</b>		
<b>Thursday Feb. 6</b>	<i>How can you find a unit rate in a description, an equation, a table, or a graph?</i>	<b>WU:</b> None <b>CW:</b> Partner Quiz Review <b>HW:</b> Study for Quiz	<b>WU:</b> <b>CW:</b> <b>HW:</b>		
<b>Friday Feb. 7</b>	<i>How can you find a unit rate in a description, an equation, a table, or a graph?</i>	<b>WU:</b> None <b>CW:</b> Partner Quiz <b>HW:</b> None <b>Turn in your packet</b>	<b>WU:</b> <b>CW:</b> <b>HW:</b>		

**Total Homework Score for the Week: \_\_\_\_\_/75**

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**Daily Materials Score \_\_\_\_\_/25**

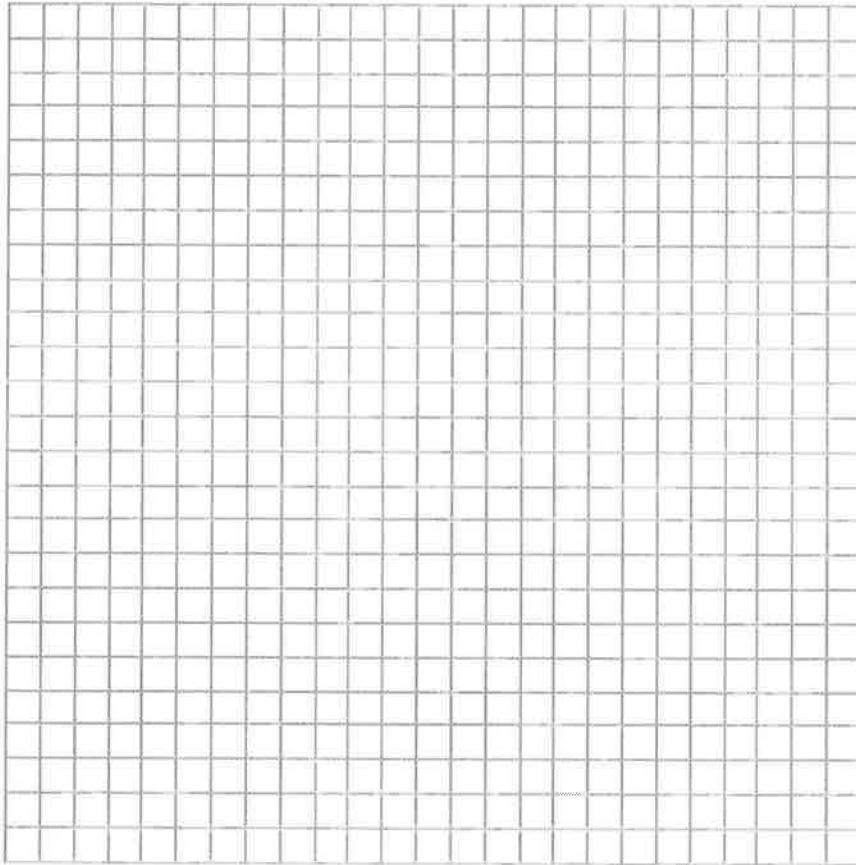
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**Labsheet 2.3**

**Cost of Oranges Rate Table and Graph**

**Cost of Oranges at FreshFoods**

<b>Number of Oranges, <math>n</math></b>	10		1	20	11	
<b>Cost, <math>C</math></b>	\$2	\$1				\$2.60



1. What is the cost per orange?
2. How many oranges can you buy for \$1?
3. How does finding the unit rate help you answer questions such as: *How many oranges can you buy for \$5?*
4. The equation  $n = 5C$  relates cost  $C$  to the number of oranges  $n$ . Using the data on the chart, graph the data. Show values  $n$  from 1 to 20. *(see next page)*

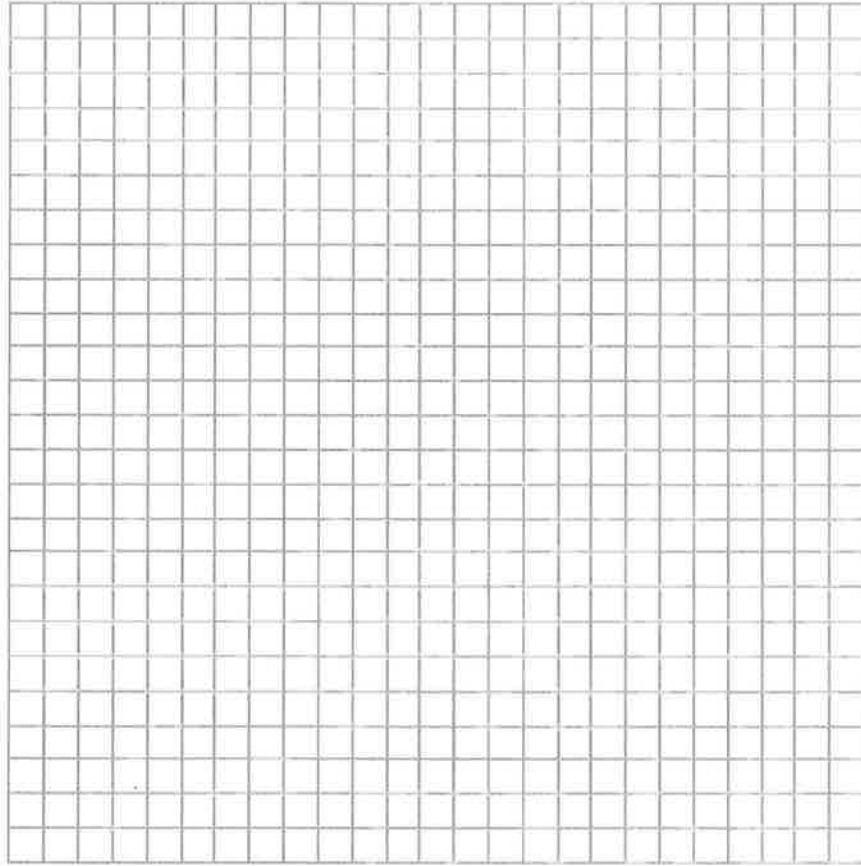
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Name ..... Date 2/3/20 Class Per. 3 & 5

### Labsheet 2.3

### Cost of Oranges Rate Table and Graph

Number of Oranges $n$																			
Cost, $c$																			



**Labsheet 2ACE**

**Exercises 10 and 27**

10. Complete the table below.

**Prices of Songs**

<b>Number of Songs, <math>n</math></b>	35		50	1	70	
<b>Cost, <math>C</math></b>	\$26.25	\$3				\$15

27. Complete the table below.

**Containers Needed by Volume**

<b>Volume of Container (liters) <math>V</math></b>	1	4	2	1	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{10}$
<b>Number of Containers Needed</b>							

Date \_\_\_\_\_

Name \_\_\_\_\_

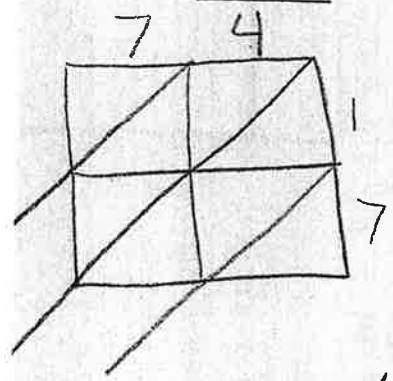
Fill in the bubble sheet with the correct answers.

Multiplication: -

Use lattice to show work!!

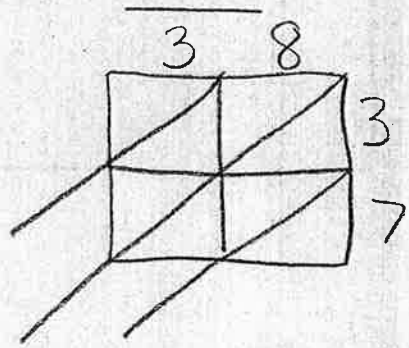
1.

$$\begin{array}{r} 74 \\ \times 17 \\ \hline \end{array}$$



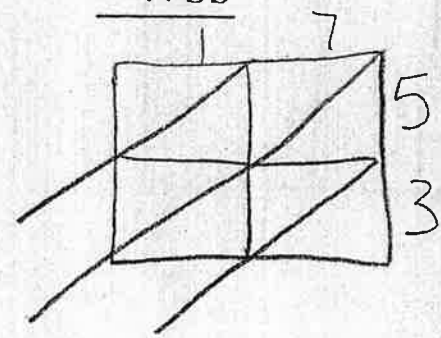
2.

$$\begin{array}{r} 38 \\ \times 37 \\ \hline \end{array}$$



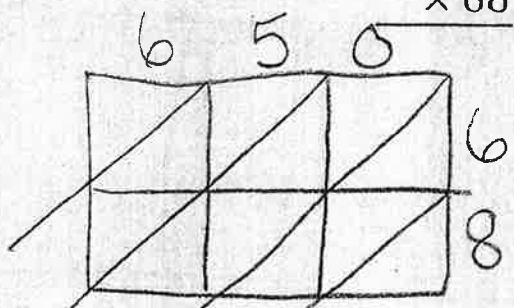
3.

$$\begin{array}{r} 17 \\ \times 53 \\ \hline \end{array}$$



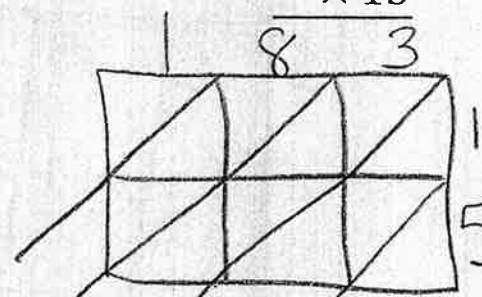
4.

$$\begin{array}{r} 650 \\ \times 68 \\ \hline \end{array}$$



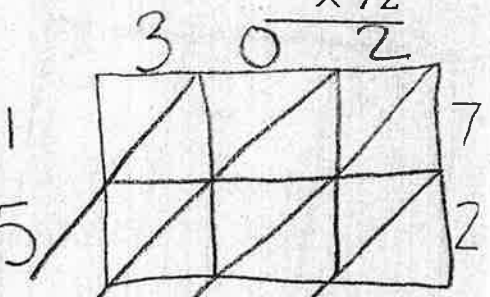
5.

$$\begin{array}{r} 183 \\ \times 15 \\ \hline \end{array}$$



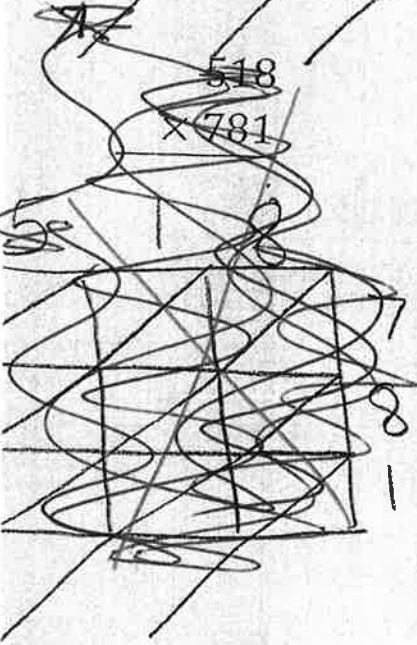
6.

$$\begin{array}{r} 302 \\ \times 72 \\ \hline \end{array}$$



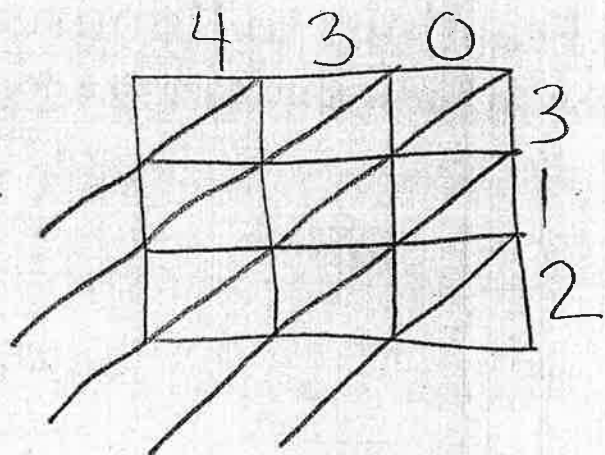
~~7.~~

$$\begin{array}{r} 518 \\ \times 781 \\ \hline \end{array}$$



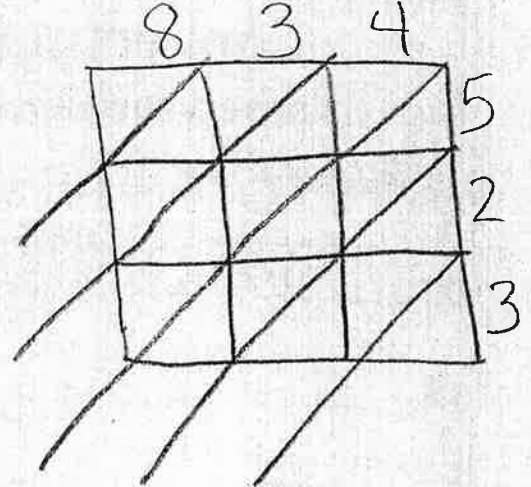
8.

$$\begin{array}{r} 430 \\ \times 312 \\ \hline \end{array}$$



9.

$$\begin{array}{r} 834 \\ \times 523 \\ \hline \end{array}$$



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**Comparing and Scaling**

**Partner Quiz Review** for use after Investigation 2

A group of students were planning a picnic for the 30 members of their homeroom. They investigated prices for food and drink at two stores and listed their findings in a table.

**Food and Drink Prices**

Item	Streamline Market		Bulky Store	
	Quantity	Cost	Quantity	Cost
<b>Cola</b>	6 cans (12 ounces each)	\$1.99	a case of twenty-four cans (12 ounces each)	\$6.99
<b>Ground Beef (for hamburgers)</b>	1 pound (makes four hamburgers)	\$1.39	10 patties (1/4 pound each)	\$4.99
<b>Hamburger Buns</b>	8-count package	\$1.49	12-count package	\$2.09
<b>Potato Chips</b>	small bag (1.5 ounces)	\$.89	Fun Pack (eight 1.5-ounce bags)	\$6.99

1. How much would it cost to make 30 hamburger patties with ground beef purchased from Streamline? Show your work.
  
2. How much would 30 hamburger patties cost at Bulky's? Show your work.
  
3. Which store offers the better buy for cola? Explain how you decided.

## Partner Quiz Review (continued)

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4. You need to purchase enough hamburger buns to make 30 sandwiches. Buns come in packages of 8 or 12, depending where you shop. Which store offers the better buy for 30 buns? Can you get an even better deal by combining purchases at both stores? Explain how you decided.

5. The meal at the picnic will include the following items:

- One 12-ounce can of cola
- One hamburger **and** bun
- One small bag of potato chips (1.5 ounce bag)

Additional facts about the picnic are—

- The school cafeteria donated mustard, ketchup, relish, onions, paper plates and napkins.
- The students will buy *each item* at whichever store has the best price.
- There are 30 people attending the picnic.

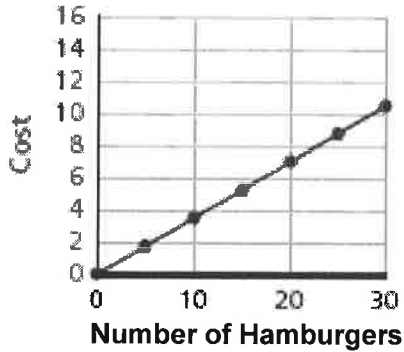
Use the table on the previous page. How much should the students charge each person in order to cover the food expenses? Show how you determined the amount.

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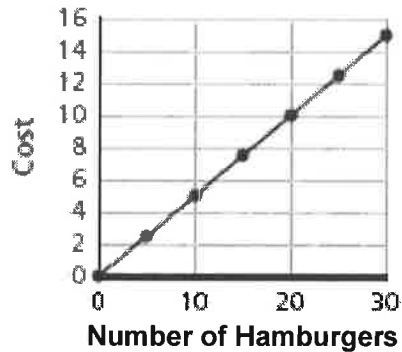
Comparing and Scaling

# Partner Quiz Review (continued)

6. a Which graph represents the cost of hamburgers at Bulky's store? Explain.



Graph A



Graph B

b. Match each equation with one of the graphs above. Explain how you made your match.

$C = 0.5n$

$C = 0.35n$

c. Explain how you could use the graph or equation to determine the cost for a given number of hamburgers.