* OPEN-UP

GRADE 6 MATHEMATICS

NAME

Tuesday 11/13 DATE

PERIOD

Unit 2, Lesson 14: Solving Equivalent Ratio Problems

1. A chef is making pickles. He needs 15 gallons of vinegar. The store sells 2 gallons of vinegar for \$3.00 and allows customers to buy any amount of vinegar. Decide whether each of the following ratios aallons Ð

correctly represents the price of Vinegar.
a. 4 gallons to \$3.00 no, double gallons
b.1 gallon to \$1.50 YeS
$$x_2^{1}x_2^{1}x_2^{1}x_1^{1}x_1^{1}x_2^{1}x_2^{1}x_1^{1}x_1^{1}x_1^{1}x_2^{1}x_2^{1}x_2^{1}x_1^{1}x_1^{1}x_1^{1}x_2^{1}x_2^{1}x_2^{1}x_1^{1}x_1^{1}x_2^{1}x_2^{1}x_2^{1}x_1^{1}x_1^{1}x_2^{1}x_2^{1}x_2^{1}x_1^{1}x_1^{1}x_2^{1}x_2^{1}x_2^{1}x_2^{1}x_1^{1}x_2^{1}x_$$

41

GRADE 6 MATHEMATICS





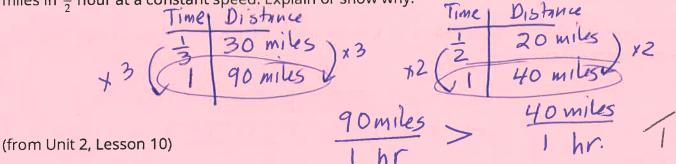
. Diego can type 140 words in 4 minutes. 90 to unit

a. At this rate, how long will it take him to type 385 words? 2(140) + 3(13) = 8+3 = 11 min b. How many words can he type in 15 minutes? 525 WY 35

140+140=280 2

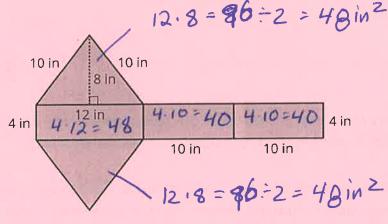
If you get stuck, consider creating a table.

5. A train that travels 30 miles in $\frac{1}{3}$ hour at a constant speed is going faster than a train that travels 20 miles in $\frac{1}{2}$ hour at a constant speed. Explain or show why.



Find the surface area of the polyhedron that can be assembled from this net. Show your reasoning.

Add



48 in 2 48 in 2

(from Unit 1, Lesson 14)