Name _____

Date _____

Unit Rates with Speed and Price - Guided Lesson Explanation

Explanation#1

Step 1) We have to find the unit rate.

 $\frac{8 \text{ dresses}}{2 \text{ weeks}} = 4 \text{ dresses per week}$

Step 2) Now we have to use the unit rate in the formula.

Stitched dresses = unit rate x weeks worked

So, after 7 weeks 28 dresses should be stitched.

Explanation#2

Step 1) First we have to find the unit rate.

 $\frac{\$20}{2 \text{ people}} = \10 per person

Step 2) Now we have to use the unit rate in the formula.

Total people = unit rate x costs 20 = 10 x n200 = n

Maria has to bear \$200 in expenses, if she invites 20 guests.

Na	me
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Date _____

Explanation#3

Step 1) Unit rates again. Big surprise!

 $\frac{75 \text{ kilometers}}{1 \text{ hour}} = 75 \text{ kilometers per hour}$

Step 2) Now we have to use the unit rate in the formula.

Total kilometers = unit rate x hours

So, he can ride an additional 375 kilometers in 5 hours.

