Name		

Mr. Tallman

Do Now

Solve the following proportions. Round to the nearest tenth if necessary.

1)
$$\frac{3}{x} = \frac{16}{25}$$

$$2) \ \frac{2.5}{10} = \frac{x}{65}$$

3) A train travels a distance of 250 miles in 1.5 hours. How far will the train have traveled after 5 hours? Round your answer to the nearest tenth of a mile.

Lesson #25 - Unit Rate vs. Proportions

Recall:

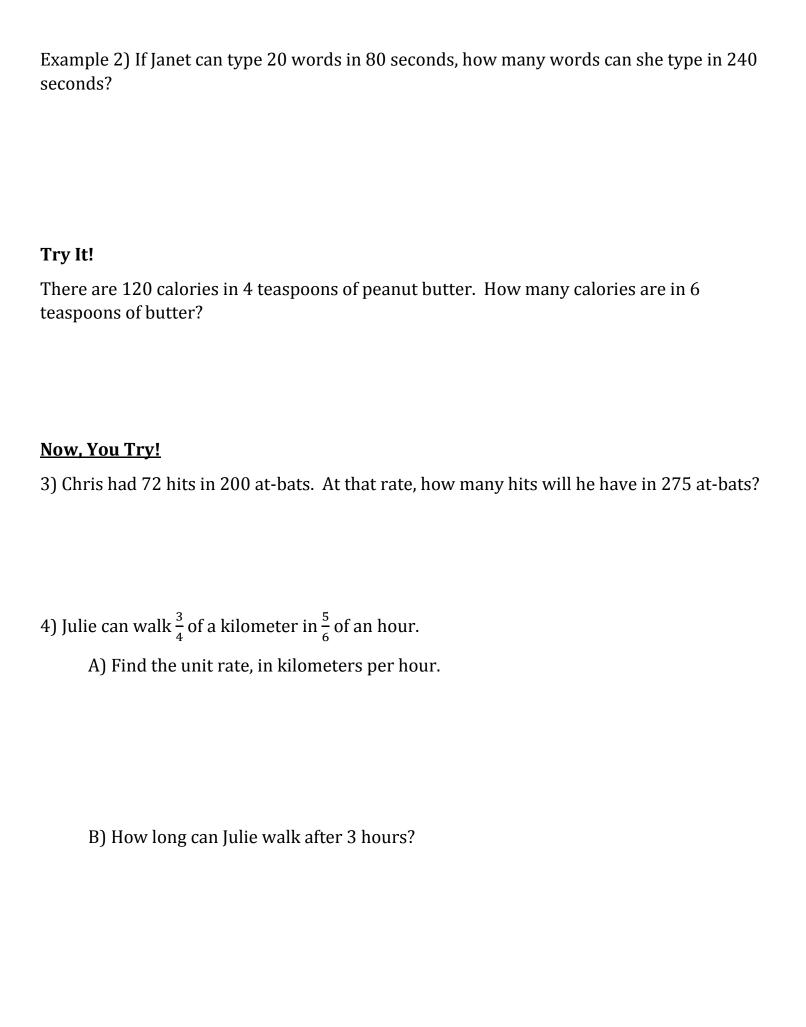
Frank can paint 20 paintings in 8 hours. Find his unit rate in paintings per hour.

We can solve proportional word problems in two different ways: by solving proportions or by solving unit rate.

Example 1) At the store, beef jerky was \$73.70 for 5 pounds. If you bought 7 pounds, how much would it cost?

Proportion Me	thod
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Unit Rate Method



	ar of pasta sauce for \$4.99. Stella se hich is the better buy? Show all wo	· —
6) Write a ratio that is eq	uivalent to 15 to 25.	
#5-7: A soccer team finish	nes the regular season with a record	of 14 wins to 5 losses.
Write the ratio of:		
5) wins to losses	6) Losses to games played	7) Losses to wins
#8-9: Determine if the fol	lowing is a rate or a unit rate .	
8) 25 miles per hour	9) \$15 for every $\frac{1}{2}$ hour	
#10-11: Define the follow	ring. LOOK BACK IN YOUR NOTES IF	F YOU DON'T REMEMBER
10) 11 14610 10		
11) A proportion is		
12) What is the difference	e between a rate and a unit rate?	