Name: _____ Date: _____

Proportional Word Problems

Directions: Write the proportion you will need to solve the problem in the proportion column. Then show your work in the work column and lastly place your answer in the answer column.

Problem	Proportion	Work	Answer
1. Jim found out that after working for 9 months he had earned 6 days of vacation time. How many days will he have earned after working for 12 months?	Show on paper - turn in to teacher	Show on paper - turn in to teacher	
2. Jeannie takes inventory of her closet and discovers that she has 8 shirts for every 5 pair of jeans. If she has 16 shirts, how many pairs of jeans does she have?	Show on paper - turn in to teacher	Show on paper - turn in to teacher	
3. If 6 pounds of apples cost $9, then how much would 8 pounds of apples cost?	Show on paper - turn in to teacher	Show on paper - turn in to teacher	
4. If 3 apples cost $2, how much do 45 apples cost?	Show on paper - turn in to teacher	Show on paper - turn in to teacher	
5. Lucy is running in a ten mile race. She finished 4 miles in 22 minutes. At this rate, how long will it take her to complete the entire 10 mile race?	Show on paper - turn in to teacher	Show on paper - turn in to teacher	
6. To make fruit salad, the recipe calls for 2 oranges for every 5 apples. If this ratio continues, how many apples will she need if she has 26 oranges?	Show on paper - turn in to teacher	Show on paper - turn in to teacher	
7. The scale on a map is 1 inch equals 5 feet. What is the distance between two points on the map that are 65 inches apart?	Show on paper - turn in to teacher	Show on paper - turn in to teacher	
8. If two pencils cost $1.50, how many pencils can you buy with $9.00?	Show on paper - turn in to teacher	Show on paper - turn in to teacher	
9. Suppose it takes 48 chicken fingers to feed Mr. Young's 4th grade class of 20 students. How many chicken fingers would be needed for 30 students?	Show on paper - turn in to teacher	Show on paper - turn in to teacher	
10. David read 40 pages of a book in 50 minutes. How many pages should he be able to read in 80 minutes?	Show on paper - turn in to teacher	Show on paper - turn in to teacher	