Proportions in Story Problems!

Name:_____

7th Grade Math

For all of the following problems, create a proportion then solve. If you only give an answer without a proportion, you will not earn points.

1. Bart Simpson paid $54.44 for 4 skateboards. At that rate, what would 9 skateboards cost?

2. According to the label, there are 221 calories per Crispy Cream doughnut. How many calories are there in 7 doughnuts?

3. A man paid $2.88 in tax for 4 shirts. At this rate, what would the tax be if he buys 11 shirts?

4. Chris drove 200 miles in 4 hours. At that rate, how long would it take Chris to drive 340 miles?

5. Eight out of ten fish are trout. How many trout are there out of 40 fish?

6. There are 2 robins for every 5 birds. How many robins are there for 80 birds?

7. Two flowers cost $0.66. How much would 13 flowers cost?

Name: _____

Proportion Word Problems: Fractions

1. Jessica and Isaac decide to walk to Biggby after school. Biggby is ¾ of a mile from school. They walk at a pace of 1 ¼ miles per hour. How much time, in minutes, would it take for them to get to Biggby?	2. A doctor sees 3 patients in ¾ of an hour. How many patients can she see in a typical day 7 ½ hour day?
3. It took JoAnn ⅜ of an hour to write ½ of her ELA paper. If Janie writes her paper at the same pace, how long will it take her to write ⅖ of her paper?	4. A mixture of paint calls for ⅔ of a cup yellow paint and ⅚ of a cup blue paint. How many cups of yellow paint would you need for every cup of blue paint?

5. Joe walks ¾ of a mile in ⅓ of an hour. His friend, Diego, walks for ¼ of an hour. Diego states that he walked x miles and walked at the same rate as Joe. How far did Diego walk?

6. TeShawn is painting a fence. After 10 minutes, or ⅙ of an hour, TeShawn has painted ⅕ of the fence. At this rate, how long will it take TeShawn to paint the entire fence?

7. A copier prints 42 pages in ⅜ of a minute. How many pages can be printed in 1 minute?

8. Jackie is making brownies for a party she is hosting and wants to make sure every guest gets one brownie. The recipe calls for ⅓ of a cup cocoa for every batch and each batch makes 20 brownies. If Jackie is having a party with 56 people attending, how many cups of cocoa will she use?