Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ratios, Proportions, & Percent Quiz**

**Directions:** *Answer each question to the best of your ability. Think about the context of the question and ask yourself if the answer makes sense for the situation. Show your work.*

1. Adam is raising money for his boy scout troop. He sells 6 chocolate bars every 3 days. How many chocolate bars will he have sold in 64 days if he sells at the same rate?

$\frac{6 bars}{3 days}$=$\frac{x bars}{64 days}$ $3x= 384$ $\frac{3x}{3}=\frac{384}{3}$ $x=128 bars in 64 days$

1. It takes Ann 15 minutes to read one page. How long will it take her to read 20 pages?

$$15 mins x 20 pages=300 mins or 5 hours$$

1. What is 8 percent of $562.33?

$$\frac{8}{100}= \frac{x}{\$562.33} 100x=4,498.64 \frac{100x}{100}= \frac{4,498.64}{100} x=\$44.99$$

\*Notice that we rounded to the nearest penny because we are dealing with money.

1. A box of 25 band-aids cost $6.97. How much does each band-aid cost?

$$\$6.97 ÷25=\$0.28 per band-aid$$

\*Notice that we rounded to the nearest penny because we are dealing with money.

1. Which is faster:
	1. 132 miles in 2 hours
	2. 335 miles in 5 hours

Choice A = 66 miles per hour

Choice B = 67 miles per hour so CHOICE B IS FASTER

1. Draw a picture that shows the ratio of 5:6