

Name: _____

Chapter 8 Practice Quiz (Sections 1 – 3)

Mr. McAusland -6th Math

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Solve and Show Work

1) A computer printer prints 70 pages in 2 minutes. How many pages will it print in 10 minutes?

2) Timmy trains at an indoor track during the winter. He can run 24 laps in 8 minutes. At this rate, how many laps can Timmy run in 20 minutes?

3) Which is the better buy? A 12 ounce box of Honey Combs for \$3.60 or a 30 ounce box of Honey Combs for \$9.90. (Show why)

4) Mrs. Covelli is reading stories that her students wrote. She has read 8 stories in 40 minutes.

a) At this rate, how long would it take her to read 1 story?

b) How long will it take her to read all 24 of her students?

5) Shane's father read a 200 page book in 4 hours.

a) Fill in the rate table

Pages			200	600
Hours	1	3	4	

Write a proportion and then solve the problem

6) Robin rode her bike at an average speed of 8 miles per hour. At this rate, how far would she travel in 5 hours?

7) A high-speed copier makes 90 copies per minute. How long will it take to make 360 copies?

8) Tina rode her bike at an average speed of 10 miles per hour. At this rate, how long would it take Tina to ride 25 miles?

- 9) Angela earns \$12 per hour babysitting. How long must she work to earn \$132?
(Complete the rate table, then write an open proportion and solve the proportion)

dollars		
hours		

Solve for the missing variable (Show the starting equations and steps towards isolating the variable)

10) $\frac{9}{15} = \frac{24}{x}$

11) $\frac{10}{12} = \frac{y}{15}$

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$$12) \quad \frac{2}{9} = \frac{z}{45}$$

$$13) \quad \frac{3}{4} = \frac{a}{56}$$

$$14) \quad \frac{22}{b} = \frac{4}{10}$$