Math Practice - Grade 7

M3 Ratios and proportional relationships

M3 7.RP.1, 7.RP.2, 7.RP.2a, 7.RP.2b, 7.RP.2c, 7.RP.2d

Name: _____ Date: _____

Find a unit rate from a ratio of fractions. Test whether two ratios form a proportion. Complete the table and find the constant of proportionality. Write the equation and read the graph.

1 **A person walks 4/3 of a mile in 1/6 of an hour. What is the unit rate in miles per hour?**

$$\frac{4}{3} \quad / \quad \frac{1}{6} \quad = \quad \square$$

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2 **Are 2/8 and 8/33 proportional?**

$$\frac{2}{8} \quad = \quad \frac{8}{33}$$

Yes | No

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3 **Fill in the missing value in the ratio table.**

Hours	Miles
9	
18	2
27	3
36	4

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M3 7.RP.1, 7.RP.2, 7.RP.2a, 7.RP.2b, 7.RP.2c, 7.RP.2d

Name: _____ Date: _____

Find a unit rate from a ratio of fractions. Test whether two ratios form a proportion. Complete the table and find the constant of proportionality. Write the equation and read the graph.

1 **A person walks 12/5 of a mile in 3/5 of an hour. What is the unit rate in miles per hour?**

$$\frac{12}{5} \quad / \quad \frac{3}{5} \quad = \quad \square$$

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2 **Are 2/3 and 8/14 proportional?**

$$\frac{2}{3} \quad = \quad \frac{8}{14}$$

Yes | No

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3 **Fill in the missing value in the ratio table.**

Cups of flour	Cups of sugar
	2
2	4
3	6
4	8

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Name: _____ Date: _____

Find a unit rate from a ratio of fractions. Test whether two ratios form a proportion. Complete the table and find the constant of proportionality. Write the equation and read the graph.

1 **A person walks 7/1 of a mile in 2/2 of an hour. What is the unit rate in miles per hour?**

$$\frac{7}{1} \quad / \quad \frac{2}{2} \quad = \quad \square$$

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2 **Are 2/6 and 4/13 proportional?**

$$\frac{2}{6} \quad = \quad \frac{4}{13}$$

Yes No

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3 **Fill in the missing value in the ratio table.**

Hours	Miles
3	
6	22
9	33
12	44