Math Practice - Grade 7

M3 Ratios and proportional relationships - Unit rate from a ratio of fractions

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

Name: _____ Date: _____

Find the unit rate. Write the answer in the box.

Example: A person walks 8/3 of a mile in 2/3 of an hour. What is the unit rate in miles per hour?

How: Divide the first quantity by the second. Dividing by a fraction is the same as multiplying by its reciprocal.

$\frac{8}{3} \; / \; \frac{2}{3} =$ 4

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

$\frac{1}{1} \quad / \quad \frac{3}{6} \quad =$ ☐

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2 **A person walks 2/1 of a mile in 2/4 of an hour. What is the unit rate in miles per hour?**

$\frac{2}{1} \quad / \quad \frac{2}{4} \quad =$ ☐

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3 **A person walks 6/5 of a mile in 2/5 of an hour. What is the unit rate in miles per hour?**

$\frac{6}{5} \quad / \quad \frac{2}{5} \quad =$ ☐

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Name: _____ Date: _____

Find the unit rate. Write the answer in the box.

Example: A person walks 11/4 of a mile in 1/4 of an hour. What is the unit rate in miles per hour?

How: Divide the first quantity by the second. Dividing by a fraction is the same as multiplying by its reciprocal.

$\frac{11}{4} \div \frac{1}{4} =$ 11

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1 **A person walks 3/2 of a mile in 2/4 of an hour. What is the unit rate in miles per hour?**

$\frac{3}{2} \div \frac{2}{4} =$ ☐

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2 **A person walks 4/5 of a mile in 2/5 of an hour. What is the unit rate in miles per hour?**

$\frac{4}{5} \div \frac{2}{5} =$ ☐

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3 **A person walks 4/5 of a mile in 1/5 of an hour. What is the unit rate in miles per hour?**

$\frac{4}{5} \div \frac{1}{5} =$ ☐

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Name: _____ Date: _____

Find the unit rate. Write the answer in the box.

Example: A person walks 11/1 of a mile in 3/3 of an hour. What is the unit rate in miles per hour?

How: Divide the first quantity by the second. Dividing by a fraction is the same as multiplying by its reciprocal.

$$\frac{11}{1} \;/\; \frac{3}{3} = \boxed{11}$$

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1 **A person walks 7/5 of a mile in 1/5 of an hour. What is the unit rate in miles per hour?**

$$\frac{7}{5} \;/\; \frac{1}{5} = \boxed{}$$

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2 **A person walks 15/2 of a mile in 3/2 of an hour. What is the unit rate in miles per hour?**

$$\frac{15}{2} \;/\; \frac{3}{2} = \boxed{}$$

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

$$\frac{4}{1} \;/\; \frac{1}{3} = \boxed{}$$