Math Practice - Grade 8

M3 Proportional relationships, slope, linear equations - Unit rate as the slope

M3 8.EE.B.5, 8.EE.B.6

Name: _____ Date: _____

Read the story. Write the unit rate in the box.

Example: A car travels 27 miles in 3 hours. What is the unit rate in miles per hour?

How: The unit rate is the value of y when x is 1, and it is the slope of the line through the origin. Divide the y value by the x value.

Miles per hour 9

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1 **A car travels 24 miles in 6 hours. What is the unit rate in miles per hour?**

Miles per hour ☐

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2 **A car travels 54 miles in 6 hours. What is the unit rate in miles per hour?**

Miles per hour ☐

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3 **A car travels 16 miles in 2 hours. What is the unit rate in miles per hour?**

Miles per hour ☐

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Name: _____ Date: _____

Read the story. Write the unit rate in the box.

Example: A car travels 30 miles in 6 hours. What is the unit rate in miles per hour?

How: The unit rate is the value of y when x is 1, and it is the slope of the line through the origin. Divide the y value by the x value.

Miles per hour 5

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1 **A car travels 12 miles in 2 hours. What is the unit rate in miles per hour?**

Miles per hour ☐

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2 **A car travels 9 miles in 3 hours. What is the unit rate in miles per hour?**

Miles per hour ☐

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3 **A car travels 24 miles in 6 hours. What is the unit rate in miles per hour?**

Miles per hour ☐

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Name: _____ Date: _____

Read the story. Write the unit rate in the box.

Example: A car travels 24 miles in 6 hours. What is the unit rate in miles per hour?

How: The unit rate is the value of y when x is 1, and it is the slope of the line through the origin. Divide the y value by the x value.

Miles per hour 4

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1 **A car travels 30 miles in 3 hours. What is the unit rate in miles per hour?**

Miles per hour ☐

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2 **A car travels 27 miles in 3 hours. What is the unit rate in miles per hour?**

Miles per hour ☐

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3 **A car travels 42 miles in 6 hours. What is the unit rate in miles per hour?**

Miles per hour ☐