Math Practice - Grade 6

M3 Ratios and unit rates - Unit price and speed problems

M3 6.RP.A.1, 6.RP.A.2, 6.RP.A.3, 6.RP.A.3a, 6.RP.A.3b

Name: _____ Date: _____

Read the story. Write the unit rate and the answer.

Example: A cyclist rides 6 miles every hour. How far does the cyclist ride in 5 hours?

How: Find the rate for 1 first, then scale it to the number the question asks for. The units in the answer match the question.

Unit rate: 6. Then multiply by 5.

6 x 5 = 30

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1 **A cyclist rides 10 miles every hour. How far does the cyclist ride in 8 hours?**

Unit rate: 10. Then multiply by 8.

10 x 8 = ☐

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2 **5 notebooks cost 30. How much do 8 notebooks cost?**

Unit rate: 6. Then multiply by 8.

6 x 8 = ☐

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3 **A cyclist rides 11 miles every hour. How far does the cyclist ride in 5 hours?**

Unit rate: 11. Then multiply by 5.

11 x 5 = ☐

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M3 6.RP.A.1, 6.RP.A.2, 6.RP.A.3, 6.RP.A.3a, 6.RP.A.3b

Name: _____ Date: _____

Read the story. Write the unit rate and the answer.

Example: A cyclist rides 8 miles every hour. How far does the cyclist ride in 3 hours?

How: Find the rate for 1 first, then scale it to the number the question asks for. The units in the answer match the question.

Unit rate: 8. Then multiply by 3.

8 x 3 = 24

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1 **9 notebooks cost 18. How much do 4 notebooks cost?**

Unit rate: 2. Then multiply by 4.

2 x 4 = ☐

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2 **A cyclist rides 11 miles every hour. How far does the cyclist ride in 4 hours?**

Unit rate: 11. Then multiply by 4.

11 x 4 = ☐

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3 **5 notebooks cost 45. How much do 7 notebooks cost?**

Unit rate: 9. Then multiply by 7.

9 x 7 = ☐

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M3 6.RP.A.1, 6.RP.A.2, 6.RP.A.3, 6.RP.A.3a, 6.RP.A.3b

Name: _____ Date: _____

Read the story. Write the unit rate and the answer.

Example: A cyclist rides 7 miles every hour. How far does the cyclist ride in 8 hours?

How: Find the rate for 1 first, then scale it to the number the question asks for. The units in the answer match the question.

Unit rate: 7. Then multiply by 8.

7 x 8 = 56

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1 **2 notebooks cost 12. How much do 6 notebooks cost?**

Unit rate: 6. Then multiply by 6.

6 x 6 = ☐

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2 **A cyclist rides 8 miles every hour. How far does the cyclist ride in 9 hours?**

Unit rate: 8. Then multiply by 9.

8 x 9 = ☐

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3 **3 notebooks cost 27. How much do 8 notebooks cost?**

Unit rate: 9. Then multiply by 8.

9 x 8 = ☐