Math Practice - Grade 6

M3 Ratios and unit rates - Find a unit rate

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

Name: _____ Date: _____

Find the unit rate. Write the answer with its units.

Example: A car travels 24 miles in 2 hours. What is the speed in miles per hour?

How: Divide to make the second quantity 1. The unit rate tells how much of the first quantity goes with 1 of the second.

24 / 2 = 12

1 **A car travels 100 miles in 10 hours. What is the speed in miles per hour?**

100 / 10 = ☐

2 **32 for 8 pens. What is the cost of 1 pen?**

32 / 8 = ☐

3 **12 for 4 pens. What is the cost of 1 pen?**

12 / 4 = ☐

4 **30 for 10 pens. What is the cost of 1 pen?**

30 / 10 = ☐

5 **A car travels 28 miles in 7 hours. What is the speed in miles per hour?**

28 / 7 = ☐

6 **A car travels 16 miles in 2 hours. What is the speed in miles per hour?**

16 / 2 = ☐

7 **A car travels 36 miles in 3 hours. What is the speed in miles per hour?**

36 / 3 = ☐

8 **36 for 4 pens. What is the cost of 1 pen?**

36 / 4 = ☐

9 **A car travels 48 miles in 6 hours. What is the speed in miles per hour?**

48 / 6 = ☐

10 **24 for 8 pens. What is the cost of 1 pen?**

24 / 8 = ☐

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Name: _____ Date: _____

Find the unit rate. Write the answer with its units.

Example: 16 for 2 pens. What is the cost of 1 pen?

How: Divide to make the second quantity 1. The unit rate tells how much of the first quantity goes with 1 of the second.

16 / 2 = 8

1 **35 for 5 pens. What is the cost of 1 pen?**

35 / 5 = ☐

2 **A car travels 33 miles in 3 hours. What is the speed in miles per hour?**

33 / 3 = ☐

3 **36 for 6 pens. What is the cost of 1 pen?**

36 / 6 = ☐

4 **40 for 5 pens. What is the cost of 1 pen?**

40 / 5 = ☐

5 **A car travels 120 miles in 10 hours. What is the speed in miles per hour?**

120 / 10 = ☐

6 **A car travels 36 miles in 3 hours. What is the speed in miles per hour?**

36 / 3 = ☐

7 **16 for 4 pens. What is the cost of 1 pen?**

16 / 4 = ☐

8 **25 for 5 pens. What is the cost of 1 pen?**

25 / 5 = ☐

9 **A car travels 14 miles in 2 hours. What is the speed in miles per hour?**

14 / 2 = ☐

10 **A car travels 42 miles in 7 hours. What is the speed in miles per hour?**

42 / 7 = ☐

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Name: _____ Date: _____

Find the unit rate. Write the answer with its units.

Example: A car travels 81 miles in 9 hours. What is the speed in miles per hour?

How: Divide to make the second quantity 1. The unit rate tells how much of the first quantity goes with 1 of the second.

81 / 9 = 9

1 **35 for 5 pens. What is the cost of 1 pen?**

35 / 5 = ☐

2 **6 for 3 pens. What is the cost of 1 pen?**

6 / 3 = ☐

3 **24 for 6 pens. What is the cost of 1 pen?**

24 / 6 = ☐

4 **30 for 5 pens. What is the cost of 1 pen?**

30 / 5 = ☐

5 **A car travels 20 miles in 5 hours. What is the speed in miles per hour?**

20 / 5 = ☐

6 **24 for 4 pens. What is the cost of 1 pen?**

24 / 4 = ☐

7 **A car travels 48 miles in 4 hours. What is the speed in miles per hour?**

48 / 4 = ☐

8 **A car travels 12 miles in 2 hours. What is the speed in miles per hour?**

12 / 2 = ☐

9 **A car travels 42 miles in 6 hours. What is the speed in miles per hour?**

42 / 6 = ☐

10 **32 for 4 pens. What is the cost of 1 pen?**

32 / 4 = ☐