Name: _____

Proportion Word Problems

Set up a proportion and solve each problem.

1. Ava walks 1/2 mile in 1/4 hour. What is her speed in miles per hour?

Answer: _____

2. A train travels 164 miles in 4 hours. At that rate, how far will it travel in 8 hours?

Answer: _____

3. 4 notebooks cost $16. At the same rate, how much do 9 notebooks cost?

Answer: _____

4. On a map, 1 inch represents 15 miles. Two towns are 5 inches apart. How far apart are they?

Answer: _____

5. A recipe uses 2 cups of flour for 5 servings. How many servings can be made with 14 cups?

Answer: _____

6. Leo earns $141 for 3 hours of work. How much will he earn for 11 hours?

Answer: _____

7. A train travels 120 miles in 3 hours. At that rate, how far will it travel in 9 hours?

Answer: _____

8. 6 notebooks cost $36. At the same rate, how much do 9 notebooks cost?

Answer: _____

9. On a map, 1 inch represents 20 miles. Two towns are 3 inches apart. How far apart are they?

Answer: _____

10. A recipe uses 4 cups of flour for 7 servings. How many servings can be made with 24 cups?

Answer: _____

Name: **ANSWER KEY**

Proportion Word Problems

Set up a proportion and solve each problem.

1. Ava walks 1/2 mile in 1/4 hour. What is her speed in miles per hour?

Answer: 2 miles per hour

2. A train travels 164 miles in 4 hours. At that rate, how far will it travel in 8 hours?

Answer: 328 miles

3. 4 notebooks cost $16. At the same rate, how much do 9 notebooks cost?

Answer: $36.00

4. On a map, 1 inch represents 15 miles. Two towns are 5 inches apart. How far apart are they?

Answer: 75 miles

5. A recipe uses 2 cups of flour for 5 servings. How many servings can be made with 14 cups?

Answer: 35 servings

6. Leo earns $141 for 3 hours of work. How much will he earn for 11 hours?

Answer: $517.00

7. A train travels 120 miles in 3 hours. At that rate, how far will it travel in 9 hours?

Answer: 360 miles

8. 6 notebooks cost $36. At the same rate, how much do 9 notebooks cost?

Answer: $54.00

9. On a map, 1 inch represents 20 miles. Two towns are 3 inches apart. How far apart are they?

Answer: 60 miles

10. A recipe uses 4 cups of flour for 7 servings. How many servings can be made with 24 cups?

Answer: 42 servings