Unit 2 Measurement Practice
US and Metric Conversions using Proportions

1. 6 feet = _____ inches (1 ft = 12 in)

2. 64 oz = _____ lbs   (16 oz = 1 lb)

3. 54 fl oz = _____ cups   (8 fl oz = 1 cup)

4. 3 miles = _____ ft   (1 mile = 5,280 ft)

5. A fence measures 30 feet. How many yards long is the fence? (3 ft = 1 yd)

6. Colt is making lemonade for his baseball team. He made 4 gallons. How many cups of lemonade does he have? (1 gal = 16 cups)

7. The average Asian elephant weighs about 3 tons. How many pounds is this? (1 ton = 2000 lbs)

Use the following information to answer questions 8 and 9.

Mrs. Smith picked 16 pints of blueberries for her famous blueberry cobbler.

8. How many quarts of blueberries does she have? (1 qt = 2 pts)

9. She needs 34 cups of blueberries for her famous cobbler. Does she have enough? Why or why not? (2 cups = 1 pint)

_____

_____

10. 70 m = _____cm   (1 m = 100 cm)

11. 5000 g = _____kg   (1 kg = 1000 g)

12. 4 L = _____ mL (1 L = 1000 mL)

13. Your shadow is 950 millimeters long. How many centimeters is this? (1 cm = 10 mm)

14. Layla's dog weighs 25,700 grams. How many kilograms does the dog weigh? (1 kg = 1,000 g)

Name_____

Proportion Word Problems

Date_____ Period_____

Answer each question and round your answer to the nearest whole number.

1) If you can buy one can of pineapple chunks for $2 then how many can you buy with $10?

2) One jar of crushed ginger costs $2. How many jars can you buy for $4?

3) One cantaloupe costs $2. How many cantaloupes can you buy for $6?

4) One package of blueberries costs $3. How many packages of blueberries can you buy for $9?

5) Shawna reduced the size of a rectangle to a height of 2 in. What is the new width if it was originally 24 in wide and 12 in tall?

6) Ming was planning a trip to Western Samoa. Before going, she did some research and learned that the exchange rate is 6 Tala for $2. How many Tala would she get if she exchanged $6?

7) Jasmine bought 32 kiwi fruit for $16. How many kiwi can Lisa buy if she has $4?

8) If you can buy four bulbs of elephant garlic for $8 then how many can you buy with $32?

9) One bunch of seedlees black grapes costs $2. How many bunches can you buy for $20?

10) The money used in Jordan is called the Dinar. The exchange rate is $3 to 2 Dinars. Find how many dollars you would receive if you exchanged 22 Dinars.

Unit 2 Measurement Practice – KEY
US and Metric Conversions

6.RP.3d   (#1-20)

1. 6 feet = _**6 x 12 =** **72**_ inches

2. 64 oz = _**64 x 16 =** **4**_ lbs

3. 54 fl oz = **54 ÷ 8 =** **6.75** cups

4. 3 miles = **3 x 5280 =** **15840** ft

5. A fence measures 30 feet. How many yards long is the fence?

30 ÷3 = **10 yards**

6. Colt is making lemonade for his baseball team. He made 4 gallons. How many cups of lemonade does he have?

4 x 16 = **64 cups**

7. The average Asian elephant weighs about 3 tons. How many pounds is this?

3 x 2000 = **6000 pounds**

<u>Use the following information to answer questions 8 and 9.</u>

Mrs. Smith picked 16 pints of blueberries for her famous blueberry cobbler.

8. How many quarts of blueberries does she have?

16 ÷ 2 = **8 quarts**

9. She needs 34 cups of blueberries for her famous cobbler. Does she have enough? Why or why not? _**16 x 2 =** **32 cups. She does NOT have enough for her famous recipe.**

10. 70 m = **70 x 100 =** **7,000** cm

11. 5000 g = **5000 ÷ 1000 =** **5** kg

12. 4 L = **4 x 1000 =** **4,000** mL

13. Your shadow is 950 millimeters long. How many centimeters is this?

950 ÷ 10 = **95 centimeters**

14. Layla's dog weighs 25,700 grams. How many kilograms does the dog weigh?

25,700 ÷ 1000 = **25.7 kilograms**

Proportion Word Problems

Answer each question and round your answer to the nearest whole number.

1) If you can buy one can of pineapple chunks for $2 then how many can you buy with $10?

   5

2) One jar of crushed ginger costs $2. How many jars can you buy for $4?

   2

3) One cantaloupe costs $2. How many cantaloupes can you buy for $6?

   3

4) One package of blueberries costs $3. How many packages of blueberries can you buy for $9?

   3

5) Shawna reduced the size of a rectangle to a height of 2 in. What is the new width if it was originally 24 in wide and 12 in tall?

   4 in

6) Ming was planning a trip to Western Samoa. Before going, she did some research and learned that the exchange rate is 6 Tala for $2. How many Tala would she get if she exchanged $6?

   18 Tala

7) Jasmine bought 32 kiwi fruit for $16. How many kiwi can Lisa buy if she has $4?

   8

8) If you can buy four bulbs of elephant garlic for $8 then how many can you buy with $32?

   16

9) One bunch of seedlees black grapes costs $2. How many bunches can you buy for $20?

   10

10) The money used in Jordan is called the Dinar. The exchange rate is $3 to 2 Dinars. Find how many dollars you would receive if you exchanged 22 Dinars.

   $33