Name: _____ Date: _____

Chapter 6
Units of Measure
HW 6.2

Customary Units of Length

Practice to review… I can estimate, compare, and convert customary units of length!

I can find equivalent lengths!

288 in. = _____ ft

Think! Feet are larger than inches, so the number will be smaller than 288!

1 foot (ft) = _____ inches (in.)
1 yard (yd) = _____ feet (ft)
1 yard (yd) = _____ inches (in.)
1 mile (mi) = _____ yards (yd)
1 mile (mi) = _____ feet (ft)

I can find equivalent lengths!

4 yd 2 ft = _____ ft

Think! Feet are smaller than yards, so the number will be greater than 4!

I can compare lengths!

8 ft ☐ 3 yd

Think! I can find 8 ft = ____ yds OR I can find 3 yd = _____ ft to compare the lengths!

Practice to remember…

Complete.

1. _____ ft = 6 yd **2.** 3 mi = _____ ft **3.** 114 in = _____ ft _____ in

Compare. Write >, <, or = for each ☐.

4. 6 ft ☐ 72 in. **5.** 150 in. ☐ 5 yd **6.** 2 mi ☐ 10,000 ft

Which unit would you use to measure each? Write *inch*, *foot*, *yard*, or *mile*.

7. the length of a puppy **8.** the height of a van **9.** the width of Nebraska

_____ _____ _____

Answer the question. Show your thinking.

10. Gayle has 5 yd 2 ft of wire. Mae has 204 in. of wire. Who has more wire? Explain how you found your answer.

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Name: _____ Date: _____

Remembering

Practice for fluency…

11. What is the sum of $4.78 + 18 + 0.062$?

a. 5.58 **b.** 22.842

c. 23.4 **d.** $22{,}842$

12. What is the sum of $0.49 + 0.3$?

a. 0.79 **b.** 0.493

c. 0.52 **d.** 0.19

Estimate each quotient.

13. $8\overline{)331{,}516}$ _____

14. $5{,}079 \div 7$ _____

Draw a model to show each fraction.

15. $\frac{2}{5}$

16. $\frac{2}{3}$

Answer each question. Explain your thinking.

17. Lisa buys a photo album that holds 8 photos per page. Lisa has 194 photos. How many pages can she fill completely? Show how you know.

18. Pete's Stationery sells notebooks for $\$9$ each. James purchased $\$54$ worth of notebooks. How many notebooks did he buy? Show how you know.

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Name: _____ Date: _____

Chapter 6
Units of Measure
HW 6.3

Customary Units of Weight and Capacity

Practice to review… I can estimate, compare, and convert customary units of weight or capacity!

1 pound (lb) = _____ ounces (oz)

1 ton (T) = _____ pounds (lb)

1 cup (c) = _____ fluid ounces (fl oz)

1 pint (pt) = _____ cups (c)

1 pint (pt) = _____ fluid ounces (fl oz)

1 quart (qt) = _____ pints (pt)

1 gallon (gal) = _____ quarts (qt)

I can find equivalent measures!

15 pt = _____ qt _____ pt

Think! Pints are smaller than quarts!

6 T 1,200 lb = _____ lb

Think! Tons are larger than pounds!

I can compare!

36 fl oz ☐ 4 c

Think! I can find 36 fl oz = ____ c OR I can find 4 c = _____ fl oz

Practice to remember…

Complete.

1. _____ gal _____ qt = 30 qt **2.** 14 c = _____ pt **3.** 72 oz = _____ lb _____ oz

Compare. Write >, <, or = for each ☐.

4. 100 oz ☐ 6 lb **5.** 5 T ☐ 10,000 lb **6.** 9 c ☐ 5 pt

Which unit would you use to measure each? Write *oz*, *lb*, *T*, *fl oz*, *c*, *pt*, *qt*, or *gal*.

7. capacity of a bathtub **8.** weight of a dump truck **9.** your weight

_____ _____ _____

Answer the question. Show your thinking.

10. Jake needs 25 cups of apple juice for a class party. The juice is sold in 1-quart containers. How many quarts of juice should he buy? Show how you know.

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Name: _____ Date: _____

Chapter 6
Units of Measure
RE 6.3

Remembering

Practice for fluency…

11. Al works in a nursery. He plants 486 seedlings in rows. He plants 9 seedlings in each row. Which answer shows how many rows he plants?

a. 34 rows **b.** 46 rows

c. 54 rows **d.** 62 rows

12. Elise has 2,432 shells. She divides all of them evenly into 8 jars. How many shells are in each jar?

a. 34 shells **b.** 300 shells

c. 304 shells **d.** 340 shells

Complete.

13. $4 \text{ yd} = _____ \text{ ft}$

14. $_____ \text{ in.} = 3 \text{ ft } 5 \text{ in.}$

1 foot (ft) = 12 inches (in.)
1 yard (yd) = 3 feet (ft)
1 yard (yd) = 36 inches (in.)
1 mile (mi) = 1,760 yards (yd)
1 mile (mi) = 5,280 feet (ft)

15. $4\frac{1}{2} \text{ mi} = _____ \text{ yd}$

16. $7{,}000 \text{ ft} = _____ \text{ mi } _____ \text{ ft}$

Answer each question. Explain your thinking.

17. Find $72{,}450 \div 85$. Show how to check your work.

18. Naomi buys a watch and a sweater for a total of $\$100$. The watch costs $\$10$ more than the sweater. What is the cost of each item? Show how you know.

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Name: _____ Date: _____

Chapter 6
Units of Measure
HW 6.4

Metric Units of Length

Practice to review… I can compare and convert lengths in metric units!

I can find equivalent lengths!

$200 \text{ cm} = _____ \text{ dm}$

Think! Decimeters are larger than centimeters, so the number will be smaller than 200!

1 centimeter (cm) = _____ millimeters (mm)

1 decimeter (dm) = _____ centimeters (cm)

1 meter (m) = _____ centimeters (cm)

1 meter (m) = _____ decimeters (dm)

1 kilometer (km) = _____ meters (m)

I can find equivalent lengths!

$4 \text{ km} = _____ \text{ m}$

Think! Meters are smaller than kilometers, so the number will be greater than 4!

I can compare lengths!

$8 \text{ m} \square 80 \text{ cm}$

Think! I can find 8 m = ____ cm OR I can find 80 cm = _____ m to compare the lengths!

Practice to remember…

Complete.

1. _____ $\text{cm} = 50 \text{ dm}$

2. $7 \text{ m} =$ _____ cm

3. $8 \text{ km} =$ _____ m

Compare. Write $>$, $<$, or $=$ for each $\square$.

4. $40 \text{ cm} \square 400 \text{ mm}$

5. $4 \text{ km} \square 4{,}000 \text{ m}$

6. $2{,}300 \text{ mm} \square 22 \text{ m}$

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Name: _____ Date: _____

Chapter 6
Units of Measure
RE 6.4

Remembering

Practice for fluency…

Name the solid figure each object looks like.

7.

a. cone
b. triangular prism
c. rectangular prism
d. cube

8.

a. cylinder
b. cone
c. rectangular prism
d. triangular prism

Divide. Check that your answer is reasonable.

14. $42\overline{)892}$

15. $87 \div 23 =$ _____

$27\overline{)972}$

17. $964 \div 42 =$ _____

Answer each question. Explain your thinking.

13. A florist is making bouquets of carnations. He has 58 carnations. If the florist puts 6 carnations in a bouquet, how many bouquets of carnations can he make? Use pictures, numbers, or words to show how you know.

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Name: _____ Date: _____

Chapter 6
Units of Measure
HW 6.5

Metric Units of Mass and Capacity

Practice to review… I can estimate, compare, and convert metric units of mass or capacity!

1 gram (g) = _____ milligrams (mg) 1 kilogram (kg) = _____ grams (g) 1 metric ton (t) = _____ kilograms (kg)	1 liter (L) = _____ milliliters (ml) 1 liter (L) = _____ deciliters (dl)
I can find equivalent measures!	I can compare!
8 L = _____ dl _____ g = 8 kg	5,000 dl ☐ 50 L 510 g ☐ 5,100 mg

Practice to remember…

Complete.

1. _____ mg = 9 g **2.** 50,000 ml = _____ L **3.** 20 t = _____ kg

Compare. Write >, <, or = for each ☐.

4. 16 dl ☐ 160 L **5.** 7 kg ☐ 700 g **6.** 13 t ☐ 13,000 kg

Choose the most reasonable measure for each.

7. capacity of a bathtub
a. 100 dl **b.** 100 L

8. mass of a dump truck
a. 30 t **b.** 30 kg

9. your weight
a. 35 kg **b.** 350 kg

Answer the question. Show your thinking.

10. The mass of Box A is 3 kg. The mass of Box B is 2 kg 550 g. The mass of Box C is 3,500 g. List the boxes in order from least to greatest mass. Show how you know.

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Name: _____ Date: _____

Chapter 6
Units of Measure
RE 6.5

Remembering

Practice for fluency…

Simplify.

11. $44 + 12 \div 2 - 2 \times 2$

a. 7

b. 46

c. 52

d. 56

12. $17 - 3 \times 5 + 9$

a. 11

b. 16

c. 79

d. 196

Compare. Write $>$, $<$, or $=$ or each $\square$.

13. $\frac{1}{3} \square \frac{1}{2}$

14. $\frac{3}{8} \square \frac{7}{8}$

15. $\frac{2}{4} \square \frac{3}{5}$

16. $\frac{5}{6} \square \frac{4}{5}$

Use the data form the table to answer each question. Explain your thinking.

17. To the nearest million, how many Internet users are in the United States?

Internet Use in the United States in the Year 2000		
Place	**Total Population**	**Estimated Internet Users**
United States	281,422,000	116,790,130
California	33,872,000	15,818,224
Florida	15,982,000	6,904,224
Michigan	9,938,000	4,183,898
Ohio	11,353,000	4,620,671
South Carolina	4,012,000	1,283,840

18. The number of Internet users in Pennsylvania was about $4{,}924{,}681$. If this data were added to the table, between which two states would its number fall? Explain.

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