

Converting Units of Measure Measurement		Student/Class Goal Students will use measurement units to solve problems and convert between measurement systems.
Outcome (<i>lesson objective</i>) Given a unit of measurement, students will be able to convert it to other units of measurement and will be able to use it to solve contextual problems.		Time Frame 4 hours
Standard <i>Use Math to Solve Problems and Communicate</i>		NRS EFL 6
Components of Performance (COPs) Understand, interpret, and work with pictures, numbers, and symbolic information.		Activity Addresses COPs (process) Students will understand when to use each unit of measurement.
Apply knowledge of mathematical concepts and procedures to figure out how to answer a question, solve a problem, make a prediction, or carry out a task that has a mathematical dimension.		Students will use problem solving skills to know what unit that their answer should be in.
Define and select data to be used in solving the problem.		Students will use the correct conversion factors to use when solving problems.
Determine the degree of precision required by the situation.		Students round their answers to the nearest hundredth when appropriate.
Solve problem using appropriate quantitative procedures and verify that the results are reasonable.		Students will label their answers with the appropriate unit and check over their work to verify their answer.
Communicate results using a variety of mathematical representations, including graphs, charts, tables, and algebraic models.		Students will make a table to list all of the conversion factors they might need.
Activity Addresses Benchmarks (content) M.6.12, M.6.13, M.6.14, M.6.27, M.6.34, M.6.35		
Materials Measurement Unit Worksheets http://www.homeschoolmath.net/worksheets/measuring.php Measurement Worksheets		
Learner Prior Knowledge <ul style="list-style-type: none"> • Adding, Subtracting, Multiplying, and Dividing Integers, Decimals, and Fractions • Using measurement systems • Problem Solving Skills 		
Instructional Activities <p>Step 1</p> <p>Review different units of measure and when to use each one. Ask students which unit of measure you would use to find...:</p> <ul style="list-style-type: none"> • Length of a pencil? • Distance from home plate to 2nd base? • Distance between two cities? • Time it takes to write your name? • Time it takes to write a paragraph? • Time it takes to take GED test? • Time it takes to complete a college class? • You do not have to ask these exact questions as long as you are making sure that students know what unit of measure is appropriate for different situations. <p>Step 2</p> <p>Review how to round decimals to different places. Also discuss the difference between exact and</p>		

approximate values. For example, a fraction is an exact value and a rounded decimal is an approximate value.

Step 3

Teach students basic conversion factors.

- Teach students how to convert between inches, feet, yards, and miles (Customary units).
- Teach students how to convert between millimeters, centimeters, decimeters, meters, decameters, and kilometers (Metric units).
- Teach students how to convert between customary units and metric units.
- Teach students how to convert between seconds, minutes, hours, and days.
- Teach students how to convert between pounds, ounces, cups, pints, quarts, and gallons.

Step 4

In a group, or with a partner, students will practice converting between different units of measure.

Step 5

As a class, use units of measure to solve contextual problems. Label answers with the appropriate unit of measure.

Step 6

Have students work individually on solving word problems that involve units of measure.

Assessment/Evidence (*based on outcome*)

Informal assessment by monitoring group/partner discussion and work. Formally check students' individual work for process and accuracy. Assign additional practice if necessary.

Teacher Reflection/Lesson Evaluation

Not yet completed.

Next Steps

Common Weights and Measures

Length

Metric System

1 millimeter = 1/1,000 meter

1 centimeter = 1/100 meter

1 decimeter = 1/10 meter

1 meter (basic unit of length)

1 dekameter = 10 meters

1 kilometer = 1,000 meters

American and British Units

1 inch = 1/36 yard = 1/12 foot

1 foot = 1/3 yard

1 yard (basic unit of length)

1 mile = 1,760 yards = 5,280 feet

Conversion Factors

1 centimeter = 0.39 inch

1 inch = 2.54 centimeters

1 meter = 39.37 inches

1 foot = 0.305 meter

1 meter = 3.28 feet

1 yard = 0.914 meter

1 meter = 1.094 yards

1 kilometer = 0.62 mile

1 mile = 1.609 kilometers

Volume and Capacity (Liquid and Dry)

Metric System

1 milliliter = 1/1,000 liter

1 centiliter = 1/100 liter

1 deciliter = 1/10 liter

1 dekaliter = 10 liters

1 hectoliter = 100 liters

Conversion Factors
1 milliliter = 0.034 fluid ounce
1 fluid ounce = 29.6 milliliters
1 U.S. quart = 0.946 liter
1 liter = 1.06 U.S. quarts
1 U.S. gallon = 3.8 liters

Measuring Worksheet 3

Convert the measuring units as indicated.

1a. **60 in = _____ ft**

1b. **132 in = _____ ft**

2a. **36 ft = _____ yd**

2b. **24 ft = _____ yd**

3a. **4 ft = _____ in**

3b. **27 ft = _____ yd**

4a. **2 yd = _____ ft**

4b. **30 ft = _____ yd**

5a. **5 yd = _____ ft**

5b. **8 ft = _____ in**

6a. **144 in = _____ ft**

6b. **72 in = _____ ft**

7a. **7 ft = _____ in**

7b. **10 ft = _____ in**

8a. **108 in = _____ ft**

8b. **33 ft = _____ yd**

9a. **3 ft = _____ in**

9b. **6 yd = _____ ft**

10a. **3 ft = _____ yd**

10b. **21 ft = _____ yd**

Answer Key for Measuring Worksheet 3

1a. 5 ft 1b. 11 ft

2a. 12 yd 2b. 8 yd

3a. 48 in 3b. 9 yd

4a. 6 ft 4b. 10 yd

5a. 15 ft 5b. 96 in

6a. 12 ft 6b. 6 ft

7a. 84 in 7b. 120 in

8a. 9 ft 8b. 11 yd

9a. 36 in 9b. 18 ft

10a. 1 yd 10b. 7 yd

Measuring Worksheet 4

Convert the measuring units as indicated.

1a. **10560 ft = _____ mi**

1b. **21120 ft = _____ mi**

2a. **8800 yd = _____ mi**

2b. **5 mi = _____ ft**

3a. **2 mi = _____ yd**

3b. **5280 yd = _____ mi**

4a. **4 mi = _____ yd**

4b. **1 mi = _____ ft**

5a. **1 mi = _____ yd**

5b. **15840 ft = _____ mi**

6a. **4 mi = _____ ft**

6b. **4 mi = _____ ft**

7a. **4 mi = _____ yd**

7b. **3 mi = _____ yd**

8a. **5 mi = _____ ft**

8b. **8800 yd = _____ mi**

9a. **4 mi = _____ ft**

9b. **15840 ft = _____ mi**

10a. **5 mi = _____ yd**

10b. **7040 yd = _____ mi**

Answer Key for Measuring Worksheet 4

1a. 2 mi

1b. 4 mi

2a. 5 mi

2b. 26400 ft

3a. 3520 yd

3b. 3 mi

4a. 7040 yd

4b. 5280 ft

5a. 1760 yd

5b. 3 mi

6a. 21120 ft

6b. 21120 ft

7a. 7040 yd

7b. 5280 yd

8a. 26400 ft

8b. 5 mi

9a. 21120 ft

9b. 3 mi

10a. 8800 yd

10b. 4 mi

Measuring Worksheet 9

Convert the measuring units as indicated.

1a. $4.875 \text{ mi} = \underline{\hspace{2cm}} \text{ yd}$

1b. $5940 \text{ yd} = \underline{\hspace{2cm}} \text{ mi}$

2a. $6600 \text{ yd} = \underline{\hspace{2cm}} \text{ mi}$

2b. $6820 \text{ yd} = \underline{\hspace{2cm}} \text{ mi}$

3a. $7920 \text{ ft} = \underline{\hspace{2cm}} \text{ mi}$

3b. $0.5 \text{ mi} = \underline{\hspace{2cm}} \text{ yd}$

4a. $21120 \text{ ft} = \underline{\hspace{2cm}} \text{ mi}$

4b. $3300 \text{ yd} = \underline{\hspace{2cm}} \text{ mi}$

5a. $3.75 \text{ mi} = \underline{\hspace{2cm}} \text{ ft}$

5b. $220 \text{ yd} = \underline{\hspace{2cm}} \text{ mi}$

6a. $5940 \text{ ft} = \underline{\hspace{2cm}} \text{ mi}$

6b. $8.625 \text{ mi} = \underline{\hspace{2cm}} \text{ ft}$

7a. $3.875 \text{ mi} = \underline{\hspace{2cm}} \text{ ft}$

7b. $40920 \text{ ft} = \underline{\hspace{2cm}} \text{ mi}$

8a. $4.125 \text{ mi} = \underline{\hspace{2cm}} \text{ yd}$

8b. $2.875 \text{ mi} = \underline{\hspace{2cm}} \text{ yd}$

9a. $2.125 \text{ mi} = \underline{\hspace{2cm}} \text{ yd}$

9b. $4.625 \text{ mi} = \underline{\hspace{2cm}} \text{ yd}$

10a. $8800 \text{ yd} = \underline{\hspace{2cm}} \text{ mi}$

10b. $4.25 \text{ mi} = \underline{\hspace{2cm}} \text{ yd}$

Answer Key for Measuring Worksheet 9

1a. 8580 yd 1b. 3.375 mi

2a. 3.75 mi 2b. 3.875 mi

3a. 1.5 mi 3b. 880 yd

4a. 4 mi 4b. 1.875 mi

5a. 19800 ft 5b. 0.125 mi

6a. 1.125 mi 6b. 45540 ft

7a. 20460 ft 7b. 7.75 mi

8a. 7260 yd 8b. 5060 yd

9a. 3740 yd 9b. 8140 yd

10a. 5 mi 10b. 7480 yd

Measuring Worksheet 5

Convert the measuring units as indicated.

1a. $5 \text{ pt} = \underline{\hspace{2cm}} \text{ C}$

1b. $5 \text{ gal} = \underline{\hspace{2cm}} \text{ qt}$

2a. $6 \text{ gal} = \underline{\hspace{2cm}} \text{ qt}$

2b. $32 \text{ qt} = \underline{\hspace{2cm}} \text{ gal}$

3a. $8 \text{ oz} = \underline{\hspace{2cm}} \text{ C}$

3b. $16 \text{ C} = \underline{\hspace{2cm}} \text{ pt}$

4a. $6 \text{ C} = \underline{\hspace{2cm}} \text{ pt}$

4b. $6 \text{ C} = \underline{\hspace{2cm}} \text{ oz}$

5a. $8 \text{ qt} = \underline{\hspace{2cm}} \text{ gal}$

5b. $7 \text{ gal} = \underline{\hspace{2cm}} \text{ qt}$

6a. $12 \text{ qt} = \underline{\hspace{2cm}} \text{ gal}$

6b. $6 \text{ pt} = \underline{\hspace{2cm}} \text{ C}$

7a. $3 \text{ C} = \underline{\hspace{2cm}} \text{ oz}$

7b. $8 \text{ C} = \underline{\hspace{2cm}} \text{ oz}$

8a. $5 \text{ C} = \underline{\hspace{2cm}} \text{ oz}$

8b. $14 \text{ C} = \underline{\hspace{2cm}} \text{ pt}$

9a. $1 \text{ pt} = \underline{\hspace{2cm}} \text{ C}$

9b. $16 \text{ oz} = \underline{\hspace{2cm}} \text{ C}$

10a. $4 \text{ C} = \underline{\hspace{2cm}} \text{ pt}$

10b. $32 \text{ oz} = \underline{\hspace{2cm}} \text{ C}$

Answer Key for Measuring Worksheet 5

1a. 10 C 1b. 20 qt

2a. 24 qt 2b. 8 gal

3a. 1 C 3b. 8 pt

4a. 3 pt 4b. 48 oz

5a. 2 gal 5b. 28 qt

6a. 3 gal 6b. 12 C

7a. 24 oz 7b. 64 oz

8a. 40 oz 8b. 7 pt

9a. 2 C 9b. 2 C

10a. 2 pt 10b. 4 C

Measuring Worksheet 10

Convert the measuring units as indicated.

1a. $500 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

1b. $10 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

2a. $800 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

2b. $3000 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

3a. $9 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

3b. $6 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

4a. $8 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

4b. $4000 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

5a. $7000 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

5b. $1000 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

6a. $80 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

6b. $5000 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

7a. $1 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

7b. $10 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

8a. $2 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

8b. $2000 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

9a. $300 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

9b. $200 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

10a. $900 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

10b. $30 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

Answer Key for Measuring Worksheet 10

- | | |
|-------------------|--------------------|
| 1a. 5 m | 1b. 10000 m |
| 2a. 8 m | 2b. 3 km |
| 3a. 90 mm | 3b. 60 mm |
| 4a. 8000 m | 4b. 4 km |
| 5a. 7 km | 5b. 10 m |
| 6a. 8 cm | 6b. 5 km |
| 7a. 100 cm | 7b. 100 mm |
| 8a. 20 mm | 8b. 2 km |
| 9a. 3 m | 9b. 2 m |
| 10a. 9 m | 10b. 3 cm |

Measuring Worksheet 11

Convert the measuring units as indicated.

1a. $1877 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

1b. $1333 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

2a. $920 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

2b. $139 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

3a. $8236 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

3b. $957 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

4a. $342 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

4b. $400 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

5a. $827 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

5b. $9.91 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

6a. $8.509 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

6b. $253 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

7a. $2.98 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

7b. $720 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

8a. $8.036 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

8b. $594 \text{ mm} = \underline{\hspace{2cm}} \text{ cm}$

9a. $0.245 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

9b. $9.46 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

10a. $1.22 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

10b. $7.75 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

Answer Key for Measuring Worksheet 11

1a. 1.877 km 1b. 1.333 km

2a. 0.92 km 2b. 0.139 km

3a. 8.236 km 3b. 9.57 m

4a. 34.2 cm 4b. 4 m

5a. 8.27 m 5b. 991 cm

6a. 8509 m 6b. 2.53 m

7a. 298 cm 7b. 72 cm

8a. 8036 m 8b. 59.4 cm

9a. 245 m 9b. 946 cm

10a. 122 cm 10b. 775 cm

Measuring Worksheet 12

Convert the measuring units as indicated.

1a. $2000 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

1b. $9 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

2a. $1000 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

2b. $8000 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

3a. $10 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

3b. $6000 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

4a. $4 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

4b. $4 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

5a. $10 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

5b. $1 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

6a. $5000 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

6b. $6000 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

7a. $3 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

7b. $7 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

8a. $3000 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

8b. $9000 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

9a. $2000 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

9b. $5 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

10a. $7000 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

10b. $8000 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$

Answer Key for Measuring Worksheet 12

1a. 2 kg 1b. 9000 ml

2a. 1 kg 2b. 8 kg

3a. 10000 ml 3b. 6 L

4a. 4000 ml 4b. 4000 g

5a. 10000 g 5b. 1000 ml

6a. 5 L 6b. 6 kg

7a. 3000 g 7b. 7000 g

8a. 3 L 8b. 9 kg

9a. 2 L 9b. 5000 g

10a. 7 L 10b. 8 L

Measuring Worksheet 13

Convert the measuring units as indicated.

1a. **0.225 kg** = _____ g

1b. **5.879 kg** = _____ g

2a. **8.201 kg** = _____ g

2b. **9.059 L** = _____ ml

3a. **8.798 kg** = _____ g

3b. **5600 g** = _____ kg

4a. **0.21 L** = _____ ml

4b. **8.173 L** = _____ ml

5a. **404 ml** = _____ L

5b. **9.704 L** = _____ ml

6a. **4649 ml** = _____ L

6b. **118 g** = _____ kg

7a. **4395 g** = _____ kg

7b. **9748 ml** = _____ L

8a. **8849 g** = _____ kg

8b. **5913 g** = _____ kg

9a. **1.104 kg** = _____ g

9b. **6428 g** = _____ kg

10a. **7540 g** = _____ kg

10b. **9924 g** = _____ kg

Answer Key for Measuring Worksheet 13

- | | |
|---------------------|----------------------|
| 1a. 225 g | 1b. 5879 g |
| 2a. 8201 g | 2b. 9059 ml |
| 3a. 8798 g | 3b. 5.6 kg |
| 4a. 210 ml | 4b. 8173 ml |
| 5a. 0.404 L | 5b. 9704 ml |
| 6a. 4.649 L | 6b. 0.118 kg |
| 7a. 4.395 kg | 7b. 9.748 L |
| 8a. 8.849 kg | 8b. 5.913 kg |
| 9a. 1104 g | 9b. 6.428 kg |
| 10a. 7.54 kg | 10b. 9.924 kg |

Measuring Worksheet 15

Convert the measuring units as indicated.

1a. $2.25 \text{ gal} = \underline{\hspace{2cm}}$ qt 1b. $52140 \text{ ft} = \underline{\hspace{2cm}}$ mi 1c. $1.336 \text{ gal} = \underline{\hspace{2cm}}$ oz

2a. $4.453 \text{ km} = \underline{\hspace{2cm}}$ m 2b. $24 \text{ oz} = \underline{\hspace{2cm}}$ qt 2c. $5 \text{ C} = \underline{\hspace{2cm}}$ oz

3a. $103 \text{ in} = \underline{\hspace{2cm}}$ ft 3b. $3 \text{ pt} = \underline{\hspace{2cm}}$ qt 3c. $72 \text{ oz} = \underline{\hspace{2cm}}$ qt

4a. $42 \text{ oz} = \underline{\hspace{2cm}}$ gal 4b. $3.5 \text{ qt} = \underline{\hspace{2cm}}$ C 4c. $5.8 \text{ T} = \underline{\hspace{2cm}}$ lb

5a. $1.3 \text{ T} = \underline{\hspace{2cm}}$ lb 5b. $5.875 \text{ C} = \underline{\hspace{2cm}}$ oz 5c. $2.25 \text{ lb} = \underline{\hspace{2cm}}$ oz

6a. $5078 \text{ m} = \underline{\hspace{2cm}}$ km 6b. $10300 \text{ lb} = \underline{\hspace{2cm}}$ T 6c. $0.875 \text{ qt} = \underline{\hspace{2cm}}$ oz

7a. $12 \text{ C} = \underline{\hspace{2cm}}$ qt 7b. $57 \text{ ft} = \underline{\hspace{2cm}}$ yd 7c. $7 \text{ pt} = \underline{\hspace{2cm}}$ qt

8a. $36300 \text{ ft} = \underline{\hspace{2cm}}$ mi 8b. $33 \text{ ft} = \underline{\hspace{2cm}}$ yd 8c. $8691 \text{ m} = \underline{\hspace{2cm}}$ km

9a. $3 \text{ gal} = \underline{\hspace{2cm}}$ qt 9b. $4.75 \text{ gal} = \underline{\hspace{2cm}}$ qt 9c. $3.625 \text{ C} = \underline{\hspace{2cm}}$ oz

10a. $750 \text{ cm} = \underline{\hspace{2cm}}$ m 10b. $312 \text{ oz} = \underline{\hspace{2cm}}$ gal 10c. $1.073 \text{ L} = \underline{\hspace{2cm}}$ ml

11a. $21.667 \text{ yd} = \underline{\hspace{2cm}}$ ft 11b. $2.125 \text{ mi} = \underline{\hspace{2cm}}$ yd 11c. $4180 \text{ yd} = \underline{\hspace{2cm}}$ mi

12a. $9.304 \text{ L} = \underline{\hspace{2cm}}$ 12b. $6.625 \text{ C} = \underline{\hspace{2cm}}$ oz 12c. $14 \text{ in} = \underline{\hspace{2cm}}$ ft

ml

13a. $4 \text{ C} = \underline{\hspace{2cm}} \text{ pt}$

13b. $0.25 \text{ mi} = \underline{\hspace{2cm}} \text{ yd}$

13c. $36 \text{ oz} = \underline{\hspace{2cm}} \text{ qt}$

14a. $49 \text{ oz} = \underline{\hspace{2cm}} \text{ C}$

14b. $12 \text{ C} = \underline{\hspace{2cm}} \text{ pt}$

14c. $53 \text{ in} = \underline{\hspace{2cm}} \text{ ft}$

15a. $2 \text{ C} = \underline{\hspace{2cm}} \text{ oz}$

15b. $5.375 \text{ mi} = \underline{\hspace{2cm}} \text{ ft}$

15c. $8.17 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

16a. $4.5 \text{ T} = \underline{\hspace{2cm}} \text{ lb}$

16b. $4 \text{ pt} = \underline{\hspace{2cm}} \text{ qt}$

16c. $2.5 \text{ qt} = \underline{\hspace{2cm}} \text{ pt}$

17a. $15 \text{ yd} = \underline{\hspace{2cm}} \text{ ft}$

17b. $48 \text{ oz} = \underline{\hspace{2cm}} \text{ C}$

17c. $6.22 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

18a. $4.625 \text{ lb} = \underline{\hspace{2cm}} \text{ oz}$

18b. $6.35 \text{ km} = \underline{\hspace{2cm}} \text{ m}$

18c. $2.5 \text{ gal} = \underline{\hspace{2cm}} \text{ qt}$

19a. $0.76 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$

19b. $201 \text{ oz} = \underline{\hspace{2cm}} \text{ gal}$

19c. $11000 \text{ lb} = \underline{\hspace{2cm}} \text{ T}$

20a. $7.125 \text{ C} = \underline{\hspace{2cm}} \text{ oz}$

20b. $53.2 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

20c. $3.099 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$

Answer Key for Measuring Worksheet 15

1a. 9 qt

1b. 9.875 mi

1c. 171 oz

2a. 4453 m

2b. 0.75 qt

2c. 40 oz

3a. 8.583 ft

3b. 1.5 qt

3c. 2.25 qt

4a. 0.328 gal

4b. 14 C

4c. 11600 lb

5a. 2600 lb

5b. 47 oz

5c. 36 oz

6a. 5.078 km

6b. 5.15 T

6c. 28 oz

7a. 3 qt

7b. 19 yd

7c. 3.5 qt

8a. 6.875 mi

8b. 11 yd

8c. 8.691 km

9a. 12 qt

9b. 19 qt

9c. 29 oz

10a. 7.5 m

10b. 2.438 gal

10c. 1073 ml

11a. 65 ft

11b. 3740 yd

11c. 2.375 mi

12a. 9304 ml

12b. 53 oz

12c. 1.167 ft

13a. 2 pt

13b. 440 yd

13c. 1.125 qt

14a. 6.125 C

14b. 6 pt

14c. 4.417 ft

15a. 16 oz

15b. 28380 ft

15c. 8170 m

16a. 9000 lb

16b. 2 qt

16c. 5 pt

17a. 45 ft

17b. 6 C

17c. 622 cm

18a. 74 oz

18b. 6350 m

18c. 10 qt

19a. 76 cm

19b. 1.57 gal

19c. 5.5 T

20a. 57 oz

20b. 532 mm

20c. 3099 ml