

**AMERICAN MATH HW
WEEK OF 24FEB to 28FEB**

Due Date: 03/02 by midnight

Focus for the week: The focus of the HW this week is to be able to convert and compare units of measurements for length, weight, and volume within the customary and metric systems of measurements. The HW for this week focuses on:

- Mixed measures of Customary units
- Metric units of length
- Metric units of weight
- Customary units of volume

Pacing guideline: **Look at the top right corner of the page** to see the suggested pace for the homework

Uploading Instructions: Upload homework on Archie and wait till you get the message – **“the file has been successfully uploaded”**. IF for any reason you have technical issues, get in touch with me as soon as possible.

IMPORTANT – Please show all your work for FULL CREDIT. If you are multiplying or dividing, I would like to see the multiplication and division sentences to see what numbers are being multiplied or divided.

Note: Bring your homework to class everyday. I will discuss the HW from the previous day in every class. It is important to practice the assigned topics daily because the next day's instruction builds on the previous lesson.

Grade 4 FAST Mathematics Reference Sheet

Customary Conversions

1 foot = 12 inches

1 yard = 3 feet

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 pound = 16 ounces

Time Conversions

1 minute = 60 seconds

1 hour = 60 minutes

Formulas

Rectangle $P = l + l + w + w$
 $A = l \times w$

Metric Conversions

1 meter = 100 centimeters

1 meter = 1000 millimeters

1 kilometer = 1000 meters

1 liter = 1000 milliliters

1 gram = 1000 milligrams

1 kilogram = 1000 grams

| Key | |
|-----------------------------|-------------------------------|
| l = length w = width | P = perimeter A = area |

Name _____

Mixed Measures

Complete.

1. 8 pounds 4 ounces = 132 ounces

Think: 8 pounds = 8×16 ounces, or 128 ounces.

128 ounces + 4 ounces = 132 ounces

2. 5 weeks 3 days = _____ days

3. 4 minutes 45 seconds = _____ seconds

4. 50 yards 2 feet = _____ feet

5. 3 tons 600 pounds = _____ pounds

Add or subtract.

6.
$$\begin{array}{r} 9 \text{ gal } 1 \text{ qt} \\ + 6 \text{ gal } 1 \text{ qt} \\ \hline \end{array}$$

7.
$$\begin{array}{r} 12 \text{ lb } 5 \text{ oz} \\ - 7 \text{ lb } 10 \text{ oz} \\ \hline \end{array}$$

8.
$$\begin{array}{r} 8 \text{ hr } 3 \text{ min} \\ + 4 \text{ hr } 12 \text{ min} \\ \hline \end{array}$$

Problem Solving

9. Michael's basketball team practiced for 2 hours 40 minutes yesterday and 3 hours 15 minutes today. How much longer did the team practice today than yesterday?

10. Anuuka had a piece of ribbon that was 5 feet 3 inches long. She removed a 5-inch piece to use in her art project. What is the length of the piece of ribbon now?

Lesson Check

- 12.** Hwasa bought 1 pound 11 ounces of roast beef and 2 pounds 5 ounces of corned beef. How much more corned beef did she buy than roast beef?
- 13.** Theodore says there are 2 weeks 5 days left in the year. How many days are left in the year?

Name _____

Metric Units of Length

Complete.

1. 4 meters = 400 centimeters

Think: 1 meter = 100 centimeters,
so 4 meters = 4×100 centimeters,
or 400 centimeters

2. 8 centimeters = _____ millimeters

3. 5 meters = _____ decimeters

4. 9 meters = _____ millimeters

5. 7 meters = _____ centimeters

Compare using $<$, $>$, or $=$.

6. 8 meters 80 centimeters

7. 3 decimeters 30 centimeters

8. 4 meters 450 centimeters

9. 90 centimeters 9 millimeters

Record the length in meters.

10. 43 meters = _____ centimeters

11. 6 decimeters = _____ centimeters

Problem Solving

12. A flagpole is 4 meters tall. How many centimeters tall is the flagpole?

13. Lucille runs the 50-meter dash in her track meet. How many decimeters long is the race?

Lesson Check

15. A pencil is 15 centimeters long. How many millimeters long is that pencil?
16. John's father is 2 meters tall. How many centimeters tall is John's father?

Name _____

Metric Units of Mass and Liquid Volume

Complete.

1. 5 liters = 5,000 milliliters

Think: 1 liter = 1,000 milliliters,
so 5 liters = $5 \times 1,000$ milliliters, or 5,000 milliliters

2. 3 kilograms = _____ grams

3. 8 liters = _____ milliliters

4. 7 kilograms = _____ grams

5. 9 liters = _____ milliliters

Compare using $<$, $>$, or $=$.

6. 8 kilograms 850 grams

7. 3 liters 3,500 milliliters

Problem Solving



8. Kenny buys four 1-liter bottles of water. How many milliliters of water does Kenny buy?

9. Mrs. Kone bought three 2-kilogram packages of flour. How many grams of flour did she buy?

10. Colleen bought 8 kilograms of apples and 2.5 kilograms of pears. How many more grams of apples than pears did she buy?

11. Dave uses 500 milliliters of juice for a punch recipe. He mixes it with 2 liters of ginger ale. How many milliliters of punch does he make?

Lesson Check

13. During his hike, Milt drank 1 liter of water and 1 liter of sports drink. How many milliliters of liquid did he drink?
14. Larinda cooked a 4-kilogram roast. The roast left over after the meal weighed 3 kilograms. How many grams of roast were eaten during that meal?