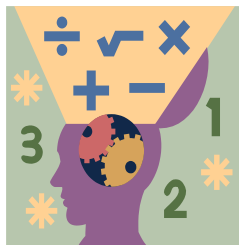


Name: _____ Section: _____



Homework

Greetings Scholar and Parents. We will focus our efforts this week on Chapter 16, Unit Conversions. Scholars will learn how to determine mathematical patterns and plot them along graphs like the cartesian plane. Please complete homework daily based on the schedule provided below.

Extra Practice

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL. Under the **“What should I work on”** section, scholars will find Teacher Assigned Lessons. From there, you will see a list of lessons reinforcing the daily skills.

- [Compare and convert customary units of weight](#)
- [Compare and convert metric units of length](#)
- [Compare and convert metric units of mass](#)
- [Compare and convert metric units of volume](#)
- [Multi-step problems with customary unit conversions](#)
- [Multi-step problems with metric unit conversions](#)

Notes

This week, all required IXLs should be done by Friday, March 28th, but the book pages remain due Sunday, March 30th. the required ones are listed in the dates below. Students must prove and show all their work in the provide space. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on HMH. Please feel free to contact me with any questions or concerns at peter.vanegas@archimedeian.org.

<u>Monday</u>	Mar 24 th	– 16.1
<u>Tuesday</u>	Mar 25 th	– No Class (Fieldtrip Day), – Required IXL: Compare and convert customary units of length Code 7E8 .
<u>Wednesday</u>	Mar 26 th	– Required IXL: Compare and convert customary units of volume Code 96B .
<u>Thursday</u>	Mar 27 th	– 16.2
<u>Friday</u>	Marh 28 th	– 16.3

Solve Multi-step Customary Measurement Problems

Go Online

Interactive Examples

Solve.


1. A cable company has 5 miles of cable to install. How many 100-yard lengths of cable can be cut?
2. Afton makes chicken dishes for her neighbors. She bakes four 3-quart dishes. Then she gives 2 pints to each neighbor. How many neighbors can she take the chicken dish to?

Think: 1,760 yards = 1 mile**So, the cable company has $5 \times 1,760$, or 8,800 yards of cable.****Divide.** $8,800 \div 100 = 88$

88 lengths

3. A jar contains 26 fluid ounces of spaghetti sauce. How many cups of spaghetti sauce do 4 jars contain?
4. Coach Kent brings 3 quarts of sports drink to soccer practice. He gives the same amount of the drink to each of his 16 players. How many ounces of the drink does each player get?
5. Zola needs 324 inches of fringe to put around the edge of a tablecloth. The fringe comes in lengths of 10 yards. If Zola buys 1 package of fringe, how many feet of fringe will she have left over?
6. A company is shipping a case of bottled water to a store. There are 64 bottles of water in each case. If each water bottle holds $3\frac{1}{2}$ cups of water, how many gallons of water are in a case of water?

Problem Solving

7. A pitcher contains 40 fluid ounces of iced tea. Dharma pours 3 cups of iced tea. How many pints of iced tea are left in the pitcher?
8. Avel ties $2\frac{1}{2}$ feet of ribbon onto one balloon. How many yards of ribbon does Avel need for 18 balloons?
9.  *Math* An object moves on a conveyor belt at a speed of 60 inches per second. Explain how you could convert the speed to feet per minute.

Lesson Check

- 10.** Charu is buying curtains for her bedroom window. She wants the curtains to hang from the top of the window to the floor. The window is 4 feet high. The bottom of the window is $2\frac{1}{2}$ feet above the floor. How many inches long should Charu's curtains be?
- 11.** Feroz buys 3 gallons of fertilizer for his lawn. After he finishes spraying the lawn, he has 1 quart of fertilizer left over. How many quarts of fertilizer did Feroz spray on the lawn?

Solve Multi-step Metric Measurement Problems

Go Online

Interactive Examples

Convert.

1. $16 \text{ m} = \underline{16,000} \text{ mm}$

number of meters millimeters in 1 meter

\downarrow \downarrow

$16 \times 1,000 = 16,000$

$16 \text{ m} = 16,000 \text{ mm}$

2. $6,500 \text{ cL} = \underline{\hspace{2cm}} \text{ L}$

number of millimeters

\downarrow

3. $15 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

4. $3,200 \text{ L} = \underline{\hspace{2cm}} \text{ kL}$

5. $12 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$

6. $200 \text{ cm} = \underline{\hspace{2cm}} \text{ m}$

7. $70,000 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

8. $100 \text{ dL} = \underline{\hspace{2cm}} \text{ L}$

9. $60 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$

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

10. $900 \text{ cm} \bigcirc 9,000 \text{ mm}$

11. $600 \text{ km} \bigcirc 5 \text{ m}$

12. $5,000 \text{ cm} \bigcirc 5 \text{ m}$

13. $18,000 \text{ L} \bigcirc 10 \text{ kL}$


14. $8,456 \text{ mL} \bigcirc 9 \text{ L}$

15. $2 \text{ m} \bigcirc 275 \text{ cm}$

Problem Solving

16. Bria ordered 145 centimeters of fabric. Jayleen ordered 1.5 meters of fabric. Who ordered more fabric?

17. Ed fills his sports bottle with 1.2 liters of water. After his bike ride, he drinks 200 milliliters of the water. How much water is left in Ed's sports bottle?

18.  **WRITE** *Math* Explain the relationship between multiplying and dividing by 10, 100, and 1,000 and moving the decimal point to the right or to the left.

Lesson Check

19. Quan bought 8.6 meters of fabric. How many centimeters of fabric did he buy?

20. Kem takes 2 centiliters of medicine. How many milliliters is this?

Solve Multi-step Measurement Problems

Go Online

Interactive Examples

Solve each problem by making a table.

1. Terrance is making soup. His soup pot holds 8 quarts of soup. How many 1-cup servings of soup will Terrance make?

32 1-cup servings

Number of quarts	1	2	3	4	8
Number of cups	4	8	12	16	32

2. Rian has a water bottle that holds 2.5 liters of water. What is the volume of the water bottle in milliliters?

3. Alex lives 500 yards from the park. How many inches does Alex live from the park?

4. The art display case is 3,500 centimeters long. How many meters long is the display case?

Lesson Check

6. At the hairdresser, Jenny had 27 centimeters cut off her hair. How many decimeters of hair did Jenny have cut off?
7. Marcus needs 108 inches of wood to make a frame. How many feet of wood does Marcus need for the frame?

Grade 5 FAST Mathematics Reference Sheet

Customary Conversions

1 foot = 12 inches
 1 yard = 3 feet
 1 mile = 5,280 feet
 1 mile = 1,760 yards

1 cup = 8 fluid ounces
 1 pint = 2 cups
 1 quart = 2 pints
 1 gallon = 4 quarts

1 pound = 16 ounces
 1 ton = 2,000 pounds

Time Conversions

1 minute = 60 seconds
 1 hour = 60 minutes
 1 day = 24 hours
 1 week = 7 days

Formulas

Rectangle $P = l + l + w + w$
 $P = 2l + 2w$
 $A = l \times w$

Rectangular Prism $V = l \times w \times h$
 or
 $V = B \times h$

Metric Conversions

1 centimeter = 10 millimeters
 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 h = height B = area of the base	P = perimeter A = area V = volume