

**AMERICAN MATH HW
WEEK OF March 23-27**

Due Date: Sunday, 3/29 by midnight

Focus for the week: The focus of the HW this week is measurements and perimeter.

Pacing guideline: Look at the top right corner of the page for the suggested pace.

Uploading Instructions: Homework will be accepted only through Archie. 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.

Paper homework is accepted for valid reasons. In such cases, parents should reach out via email to inform about the same.

IMPORTANT – Please show ALL YOUR WORK done to find the answer to any problem to earn FULL CREDIT. No credit is earned when only final answer is written and no work is shown.

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.

ANNOUNCEMENT – TEST on Thursday 3/26 on elapsed time, customary and metric conversions and graphs.

Additional Practice Material (Optional):

1) IXL practice:

- i. Go to IXL.com on any web browser OR IXL app on iPad
- ii. Login using following credentials:
 - o Username – your_archie_username@archimedeanacad
 - o Password – archie199
- iii. Go to Learning> Skills> Fourth Grade Math
- iv. Practice modules –
Fourth Grade : BB, CC, DD, EE, FF

11. Maria buys 3 pounds 4 ounces of pineapples. She buys 5 pounds 2 ounces of peaches.

11a. What is the weight of the pineapples and peaches?

_____ pounds _____ ounces

11b. If Maria buys 1 pound 9 ounces of bananas, what is the total weight of all her fruit?

_____ pounds _____ ounces

11c. During the week, Maria eats 2 pounds 7 ounces of fruit. What is the total weight of the fruit that is left?

_____ pounds _____ ounces

12. An elephant living in a wildlife park weighs 4 tons. How many pounds does the elephant weigh?

_____ pounds

13. Katia bought two melons. She says the difference in mass between the melons is 5,000 grams. Which two melons did Katia buy?

- (A) watermelon: 8 kilograms
- (B) cantaloupe: 5 kilograms
- (C) honeydew: 3 kilograms
- (D) casaba melon: 2 kilograms
- (E) crenshaw melon: 1 kilogram

14. Write the equivalent measurements in each column.

3,000 millimeters

300 centimeters

30 centimeters

3 decimeters

350 millimeters

30 decimeters

3 meters

35 centimeters

300 millimeters

15. Cheryl is making a mixed fruit drink for a party. She mixes 7 pints each of apple juice and cranberry juice. How many fluid ounces of mixed fruit drink does Cheryl make?

_____ fluid ounces

16. Li has a blue ribbon that is 3 feet 5 inches long and a yellow ribbon that is 42 inches long. Which statement is true?

- (A) The blue ribbon is longer than the yellow ribbon because 41 inches $<$ 42 inches.
- (B) The blue ribbon is longer than the yellow ribbon because 63 inches $>$ 42 inches.
- (C) The yellow ribbon is longer than the blue ribbon because 41 inches $<$ 42 inches.
- (D) The yellow ribbon is longer than the blue ribbon because 63 inches $>$ 42 inches.

17. For Problems 17a–17e, Choose Yes or No to tell whether the measurements are equivalent.

- 17a. 7,000 grams and 7 kilograms Yes No
- 17b. 200 milliliters and 2 liters Yes No
- 17c. 6 grams and 6,000 kilograms Yes No
- 17d. 5 liters and 5,000 milliliters Yes No
- 17e. 2 milliliters and 2,000 liters Yes No

18. Hamid can carry 6 kilograms in his backpack. Which 3 items can he pack in his backpack so that he is carrying the maximum weight?

- (A) tent: 4,500 grams
- (B) pan: 800 grams
- (C) sleeping mat: 1,200 grams
- (D) coat: 900 grams
- (E) fruit box: 3,000 grams
- (F) granola bars: 1,800 grams

19. The tables show patterns for some units of measurement. Write the correct labels in each table.

Pints	Pounds	Feet	Cups	Ounces	Yards	Inches	Quarts
-------	--------	------	------	--------	-------	--------	--------

	Feet	Pounds	
1	3	1	16
2	6	2	32
3	9	3	48
4	12	4	64

1	4
2	8
3	12
4	16

20. An Olympic swimming pool is 25 meters wide. How many decimeters wide is an Olympic swimming pool?

_____decimeters wide

15. A large pot holds 8 quarts of spaghetti sauce. Eleanor has 1-pint containers of spaghetti sauce. Complete the table to help you find the number of 1-pint containers of spaghetti sauce Eleanor will need to fill the pot.

Quarts	2	4	6	8
Pints				

Eleanor will need 1-pint containers to fill the pot.

16. Finley bought 48 yards of fabric to make curtains. How many inches of fabric did Finley buy?
 _____ inches

17. Hera is having a party. She wants to make punch. The recipe for punch uses 3 pints of pineapple juice, 5 cups of orange juice, $\frac{1}{4}$ gallon of lemonade, and 1 quart of apricot nectar.

Part A

Hera says her recipe will make 20 cups of punch. Is Hera correct? Explain your answer.

Part B

Hera decides to pour her punch into 1-quart containers to fit into her refrigerator until the party starts. She has four 1-quart containers. Will all of her punch fit into the containers? Explain.

18. Sam is practicing long track speed skating at an ice skating rink. The distance around the rink is 250 yards. Sam has skated around the rink 6 times so far. How many more yards does Sam need to skate around the rink to complete 3 miles?

_____ yards

19. Maria spent 15 days traveling in South America. How many hours did she spend traveling in South America?

_____ hours

20. To make a pompom, Jariah is cutting 6-inch pieces of yarn. If she has a piece of yarn that is $24\frac{1}{2}$ feet long, how many pieces can she cut?

_____ pieces

21. A plumber has a piece of pipe that is 2 meters long. He needs to cut it into sections that are 10 centimeters long. How many sections will he be able to cut? Show your work. Explain how you found your answer.

22. For problems 22a–22d, select True or False for each statement.

22a. 400 millimeters = 4 kilometers True False

22b. 3 weeks = 21 days True False

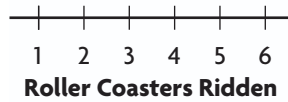
22c. 5 liters = 500 centiliters True False

22d. 24 yards = 8 feet True False

Use the Roller Coasters Ridden line plot for Problems 3–5.

Thursday

The campers from a summer camp went on a field trip to an amusement park. During the trip, Vicki recorded how many roller coasters each camper went on. She recorded the data in a line plot.



3. What is the median number of roller coasters ridden?

- (A) 4
- (B) 5
- (C) 6
- (D) 25

4. How many campers rode 2 or more roller coasters?

- (A) 18
- (B) 25
- (C) 19
- (D) 21

5. Find and explain the mode for the data.

6. Several scientists went to a field to collect various leaves. When they got back to the lab, they measured each leaf, in feet. They recorded the data in a frequency table.

How many leaves were less than $\frac{3}{8}$ ft in length?

- (A) 19
- (B) 30
- (C) 7
- (D) 9

Length of Leaves (ft)	
Length	Frequency
$\frac{1}{8}$	11
$\frac{1}{4}$	19
$\frac{3}{8}$	7
$\frac{1}{2}$	3

Rectangles - area and perimeter

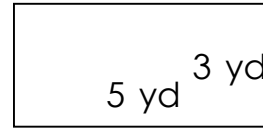
Grade 4 Geometry Worksheet

Find the perimeter and area of each rectangle.

1)



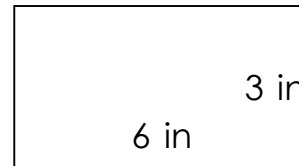
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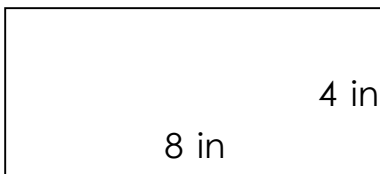
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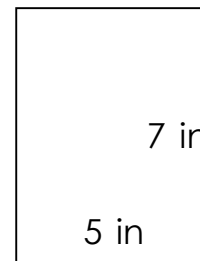
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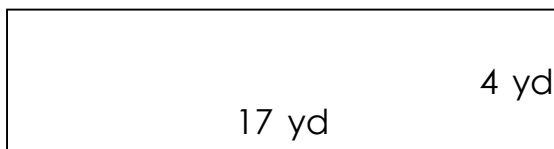
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7)



8)

