

AMERICAN MATH HW
WEEK OF October 6 to October 10

Due Date: Sunday, 10/19 by midnight

Focus for the week: The focus of the HW this week is to find the area and perimeter of different shapes and to continue practicing multi step division problems.

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 Wed 10/08 on content covered last week.

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 : N6, N7, N8

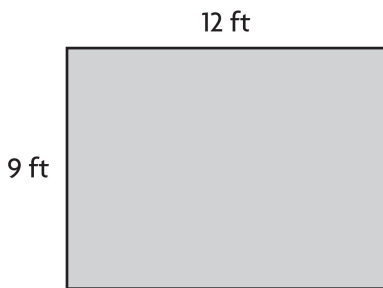
Apply the Area Formula

Go Online

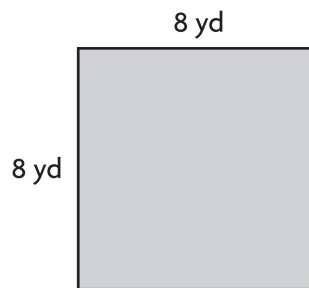
Interactive Examples

Find the area of the rectangle or square.

1.



2.



3.



$$A = b \times h$$


$$= 12 \times 9$$

108 square feet

Problem Solving

4. Fatima is putting wallpaper on a wall that measures 8 feet by 12 feet. How much wallpaper does Fatima need to cover the wall?

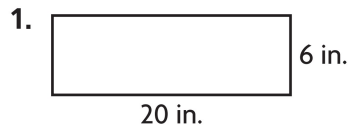
5. Mehul is laying down sod in his yard to grow a new lawn. Each piece of sod is a 1-foot by 1-foot square. How many pieces of sod will Mehul need to cover his yard if his yard measures 30 feet by 14 feet?

6.  *Math* Think about what you know about perimeter and area. Describe how to find the perimeter and area of your classroom.

Apply the Perimeter Formula

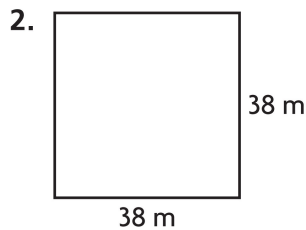
[Go Online](#)
[Interactive Examples](#)

Find the perimeter of the rectangle or square.

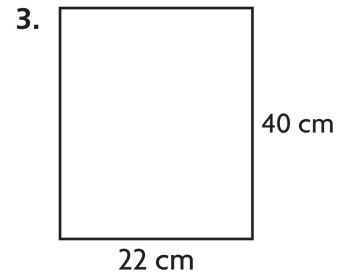


$$2 \times (20 + 6) = 52$$

52 inches




_____ meters



_____ centimeters

Problem Solving

4. Tre is making a banner shaped like a square. Each side measures 24 inches. He wants to add a border along all sides. He has 75 inches of border. Does he have enough border? **Explain.**
5. The width of the play area at a park is 80 feet. The length is three times as long as its width. What is the perimeter of the play area?

6. **WRITE**  *Math* Imagine you want to put a border around the top of a rectangular room. What would you need to do to make sure you buy enough of the border?

Name _____

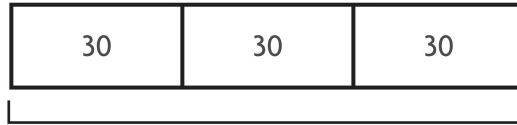
Multi-Step Division Problems

Go Online

Interactive Examples

Solve. Draw a diagram to help you.

1. There are 3 trays of eggs. Each tray holds 30 eggs. How many people can be served if each person eats 2 eggs?

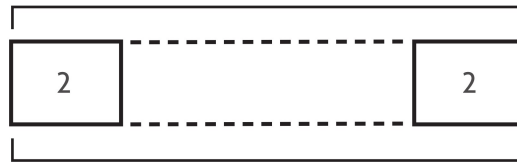


Multiply to find the total number of eggs.

90

45

Think: What do I need to find? How can I draw a diagram to help?



Divide to find how many people can be served 2 eggs.

45 people can be served.

90

2. There are 8 pencils in a package. How many packages will be needed for 28 children if each child gets 4 pencils?

3. There are 3 boxes of tangerines. Each box has 93 tangerines. The tangerines will be divided equally among 9 classrooms. How many tangerines will each classroom get?

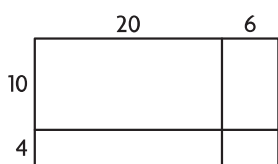
4. **WRITE** *Math* Write a two-step problem that you can solve using the strategy *draw a diagram*. Explain how you can use the strategy to find the solution.

Lesson Check

- Gavin buys 89 blue pansies and 86 yellow pansies. He will plant the flowers in 5 rows with an equal number of plants in each row. Draw a bar model to help you find how many plants will be in each row.
- A pet store receives 7 boxes of cat food. Each box has 48 cans. The store wants to put the cans in equal stacks of 8 cans. Draw a bar model to help you find how many stacks can be formed.

Spiral Review

- What product does the model show?



- Mae read 976 pages in 8 weeks. She read the same number of pages each week. How many pages did she read each week?
- Yolanda and her 3 brothers shared a box of 156 toy dinosaurs. About how many dinosaurs did each child get?
