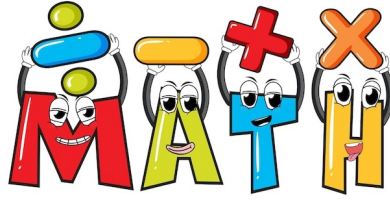


Name: \_\_\_\_\_ Section: \_\_\_\_\_



### Homework

#### **Chapter 14 (Relate Multiplication and Area)**

Complete homework daily based on the schedule provided below. Please do not work ahead on homework assignments. Failure to complete homework will result in points deducted.

[\*\*Quiz on Friday, February 16th \(Practice from Homework\).\*\*](#)

[\*\*Chapter 14 test on Tuesday, February 20th\*\*](#)

### Reminders

Please have your child use Reflex Math to master and reinforce their fact fluency. The 3<sup>rd</sup> Grade curriculum depends on a strong foundation in multiplication and division facts.

### Extra Practice

Additional practice for the daily lesson is available on HMH. To access login in into HMH, go to assigned lessons. There you can find the assigned lessons for extra practice. Scholars can also review daily lesson on Archimedean Cinemath, under section 3A for all sections.

### Notes:

[You can find all IXL lessons assigned \(From your teacher\)](#)

Please feel free to contact me with any questions or concerns at [diana.charaf@archimedean.org](mailto:diana.charaf@archimedean.org).

**Monday, February 12th**

– pages: 667, 686

**Tuesday, February 13th**

– Lessons **MM6** and **MM9** on IXL

**Wednesday, February 14th**

– Lessons **MM10** and **DGM** on IXL

**Thursday, February 15th**

\_ Lessons **MM12** and **MM13** on IXL

**Friday, February 16th**

\_Lessons **MM14** on IXL

## On Your Own

Count to find the area of the figure.

7. 

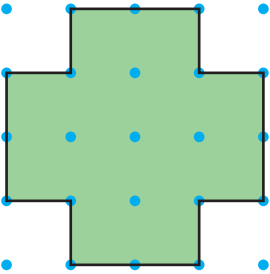
Area = \_\_\_\_\_ square units

8. 

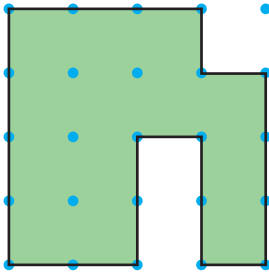
Area = \_\_\_\_\_ square units

9. 

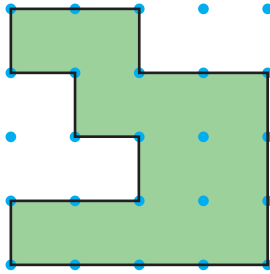
Area = \_\_\_\_\_ square units

10. 

Area = \_\_\_\_\_ square units

11. 

Area = \_\_\_\_\_ square units

12. 

Area = \_\_\_\_\_ square units

Write *area* or *perimeter* for the situation.

13. painting a wall

\_\_\_\_\_

14. covering a patio with tiles

\_\_\_\_\_

15. how long is a path around a park

\_\_\_\_\_

16. gluing a ribbon around a picture frame

\_\_\_\_\_

17. Nicole's mother put tiles on a section of their kitchen floor. The section included 5 rows with 12 tiles in each row. Each tile cost \$2. How much money did Nicole's mother spend on the tiles?

\_\_\_\_\_

4. **MTR** Jacob has a rectangular garden with a width of 7 feet. The length of the garden is 8 feet. What is the area of the garden?

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5. A diagram of Paula's bedroom is at the right. Her bedroom is in the shape of a rectangle. First, find the area of her bedroom floor. Then find what the area would be if the wall that is 6 feet long were 7 feet long instead.

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6. Elizabeth built a sandbox that is 4 feet long and 4 feet wide. She also built a flower garden that is 4 feet long and 6 feet wide and a vegetable garden that is 4 feet long and 8 feet wide. How much do the areas change from the sandbox to the flower garden to the vegetable garden?

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7. Find the pattern and complete the chart.

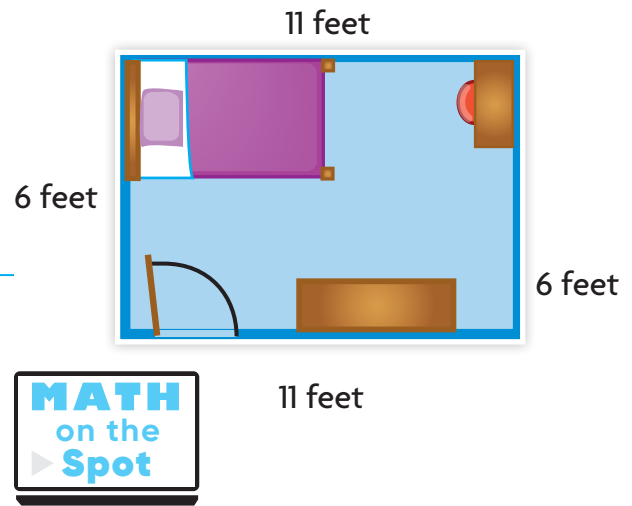
<b>Total area (in square feet)</b>	16	20		28	
<b>Length (in feet)</b>	4	4	4	4	4
<b>Width (in feet)</b>	4	5	6	7	8

How can you use the chart to find the area of a figure with a length of 4 feet and a width of 9 feet?

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# Area of compound shapes

A **compound shape** is made up of basic shapes put together. You may also hear it called a "composite" or "complex" shape.

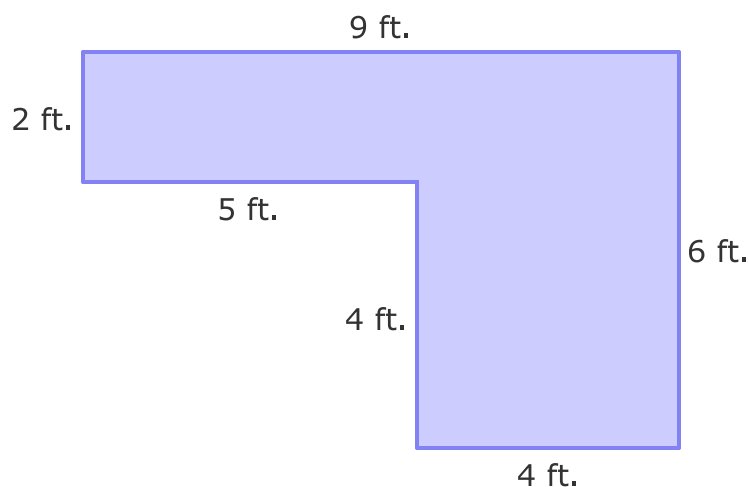
How can you find the area of a compound shape? Break it up into pieces!

To find the area of a compound shape, follow these steps:

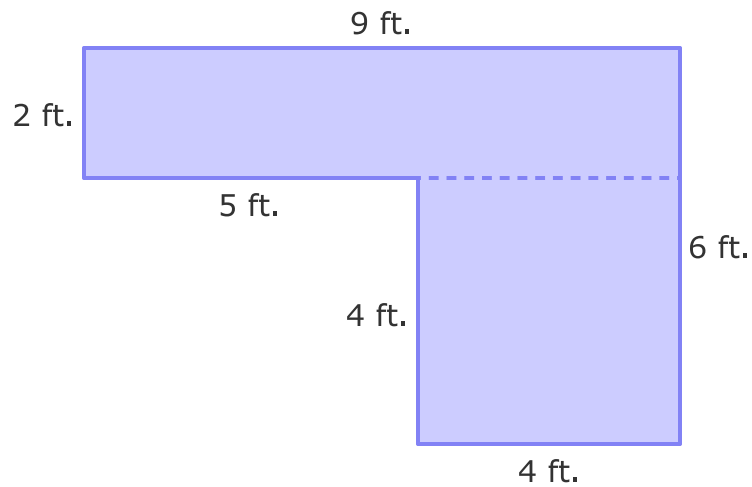
1. Break the compound shape into basic shapes.
2. Find the area of each basic shape.
3. Add the areas.

## Compound shapes made of rectangles

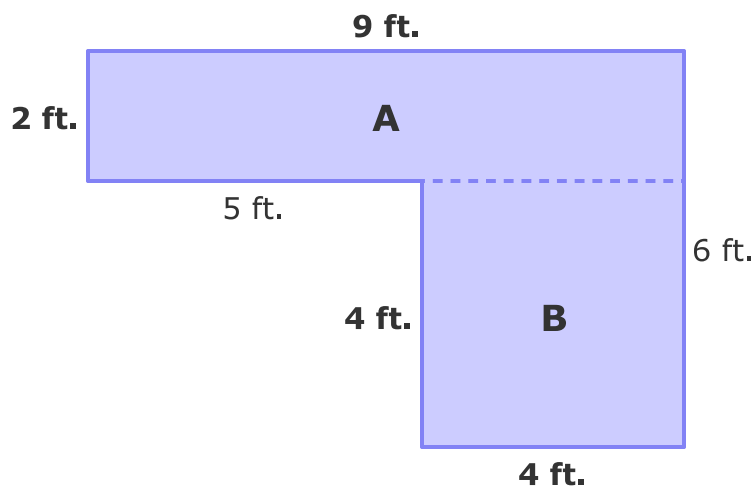
This compound shape is made of two rectangles. Let's follow the steps to find its area!



First, draw a line to break the compound shape into basic shapes. There is more than one way to do this! Here is one way.



Then, find the [area of each rectangle](#) by multiplying **length × width**.



Rectangle A:

$$2 \times 9 = 18$$

The area of rectangle A is **18 square feet**.

Rectangle B:

$$4 \times 4 = 16$$

The area of rectangle B is **16 square feet**.

Now, add the areas of the basic shapes.

$$18 + 16 = 34$$

So, the area of the compound shape is **34 square feet!**