

Name: _____ Section: _____



Hello scholars and parents. We will start with Chapter 13 this week with Lessons 13.1, 13.2, and 13.3. We will have Chapter 13 Quiz

We also will work with IXL MM skills

If you have any questions or concerns, please feel free to contact me at vasily.tserekh@archimedean.org.

Notes

Students **MUST** prove and show all their work. If additional space is needed, please feel free to attach lined paper to the homework packet. **Failure to show your work will result in a lower grade.** Please complete the homework to the best of your abilities

Monday March 11 Chapter 13 Lesson 1

Tuesday March 12 Chapter 13 Lesson 2

Wednesday March 13 Chapter 13 Lesson 3

Thursday March 14 Chapter 13 Quiz

Friday March 15 Focus Friday

Parents please initial below each day acknowledging your child has completed the assigned homework. **Homework will be checked daily in class. Completed homework packets are due on Tuesday, March 19 for a grade.**

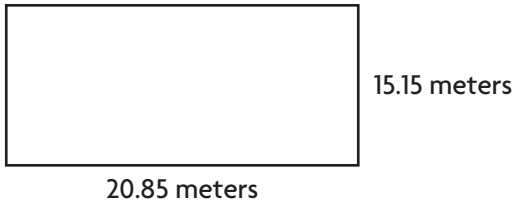
Monday March 11	Tuesday March 12	Wednesday March 13	Thursday March 14	Friday March 15
Homework Page 1	Homework page 2.	Homework page 3	No homework	No homework

Find Perimeter and Area of Rectangles with Decimal Side Lengths

Go Online

Interactive Examples

1. Find the perimeter of the rectangle.

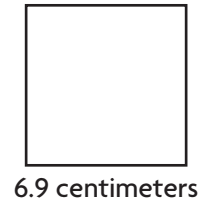


$$P = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$$

$$P = \underline{\hspace{1cm}}$$

The perimeter is $\underline{\hspace{1cm}}$ meters.

2. Find the area of the square.



$$A = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$$

$$A = \underline{\hspace{1cm}}$$

The area is $\underline{\hspace{1cm}}$ square centimeters.

3. A rectangle has a perimeter of 68 inches. If the width of the rectangle is 10.25 inches, what is the length of the rectangle? Explain how you know.

4. A square has a perimeter of 40.96 centimeters. What is the length of one side of the square?

Problem Solving

5. Lea wants to put a fence around her garden. Her garden measures 13.1 meters by 15.7 meters. She has 50 meters of fencing. How many more meters of fencing does Lea need to put a fence around her garden?

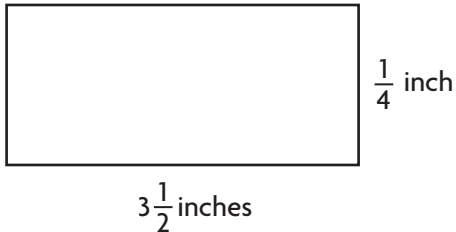
6. Grace wants to put a new layer of soil on her 12.8 meters by 16.2 meters garden. She finds the area of her garden so she knows how much soil to buy. If one bag of soil covers 20 square meters, how many bags of soil will Grace need? Explain.

Find Perimeter and Area of Rectangles with Fractional Side Lengths

Go Online

Interactive Examples

1. Find the area of the rectangle.

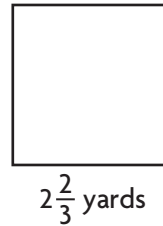


$$A = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$$

$$A = \underline{\hspace{1cm}}$$

The area is $\underline{\hspace{1cm}}$ square inch.

2. Find the perimeter of the square.



$$P = \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$$

$$P = \underline{\hspace{1cm}}$$

The perimeter is $\underline{\hspace{1cm}}$ yards.

3. A rectangle has a perimeter of 12 inches. If the width of the rectangle is
- $4\frac{4}{5}$
- inches, what is the length of the rectangle? Explain how you know.

4. A square has a perimeter of
- $\frac{4}{3}$
- feet. What is the length of each side of the square? Explain how you know.

Problem Solving

5. Aurelio wants to put a border around his flower bed. The flower bed measures
- $2\frac{1}{5}$
- meters by
- $3\frac{1}{4}$
- meters. He has 10 meters of border. How much more border does he need to put a border around his flower bed?

6. Aurelio wants to put a new layer of mulch on his flower bed that measures
- $2\frac{1}{5}$
- meters by
- $3\frac{1}{4}$
- meters. He finds the area of the flower bed so he knows how much mulch to buy. If one bag of mulch covers 2 square meters, how many bags of mulch will Aurelio need? Explain.

Explore Area and Mixed Numbers

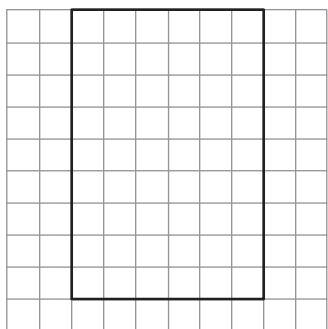
Go Online

Interactive Examples

Use the grid to find the area.

1. Let each square represent
- $\frac{1}{4}$
- unit by
- $\frac{1}{4}$
- unit.

$$2\frac{1}{4} \times 1\frac{1}{2} = 3\frac{3}{8}$$



54 squares cover the diagram.

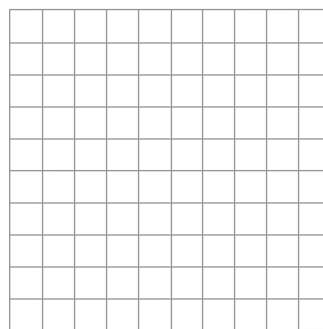
Each square is $\frac{1}{16}$ square unit.

The area of the diagram is

$$54 \times \frac{1}{16} = \frac{54}{16} = 3\frac{6}{18} \text{ square units.}$$

2. Let each square represent
- $\frac{1}{3}$
- unit by
- $\frac{1}{3}$
- unit.

$$1\frac{2}{3} \times 2\frac{1}{3} = \underline{\hspace{2cm}}$$



The area is _____ square units.

Use an area model to solve.

3. $1\frac{3}{4} \times 2\frac{1}{2}$

4. $2\frac{2}{3} \times 1\frac{1}{3}$

5. $3\frac{3}{4} \times 2\frac{1}{2}$

Problem Solving

6. Ava's bedroom rug is
- $2\frac{3}{4}$
- feet long and
- $2\frac{1}{2}$
- feet wide. What is the area of the rug?

7. A painting is
- $2\frac{2}{3}$
- feet long and
- $1\frac{1}{2}$
- feet high. What is the area of the painting?

- 8.
- 
- WRITE**
- 
- Math*
- Draw a shape with fractional side lengths. Describe how you will find its area.
