

Perimeter & Area

Video Lessons + Engaging Activities

Created for Distance  Learning

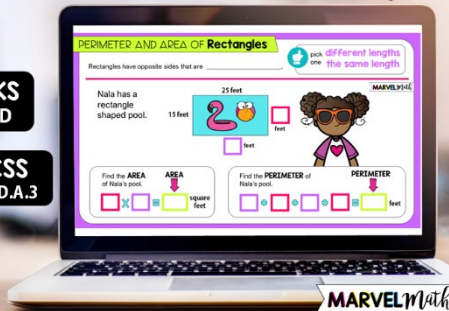
AREA & PERIMETER LESSON 1

Video Lesson + Engaging Activities

Created for Distance  Learning

TEKS
4.5D

CCSS
4.MD.A.3



PERIMETER AND AREA of Rectangles

Rectangles have opposite sides that are the same length.

Find the AREA of Nala's pool. $\square \times \square = \square$ square feet

Find the PERIMETER of Nala's pool. $\square + \square + \square + \square = \square$ feet

MARVELMath

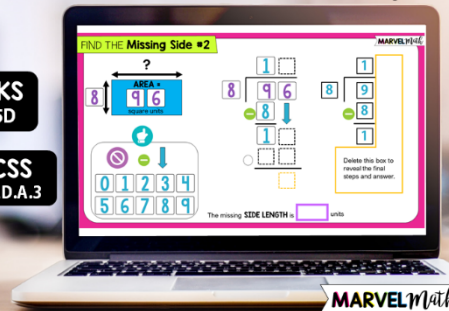
AREA - Missing Side LESSON 2

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FIND THE Missing Side #2

AREA = $\square \times \square = \square$ square units

PERIMETER = $\square + \square + \square + \square = \square$ units

The missing SIDE LENGTH is $\square$ units

MARVELMath

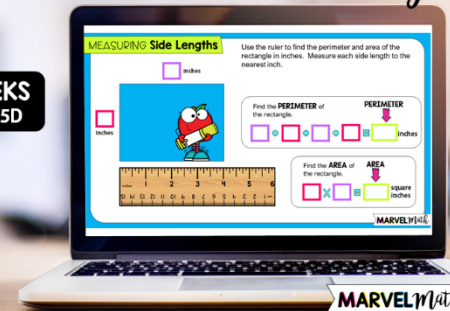
Using Rulers to Find: LESSON 3

AREA & PERIMETER

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MEASURING Side Lengths

Use the ruler to find the perimeter and area of the rectangle in inches. Measure each side length to the nearest inch.

Find the PERIMETER of the rectangle. $\square + \square + \square + \square = \square$ inches

Find the AREA of the rectangle. $\square \times \square = \square$ square inches

MARVELMath

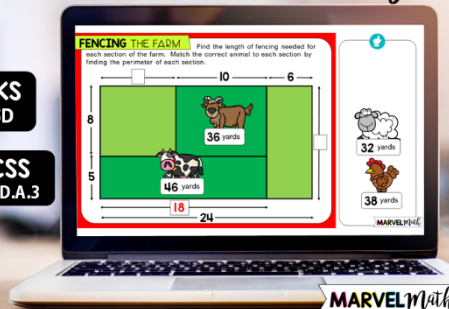
Multi-Step Perimeter & Area LESSON 4

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FENCING THE FARM

Find the length of fencing needed for each section of the farm. Match the correct animal to each section by finding the perimeter of each section.

32 yards

46 yards

18

24

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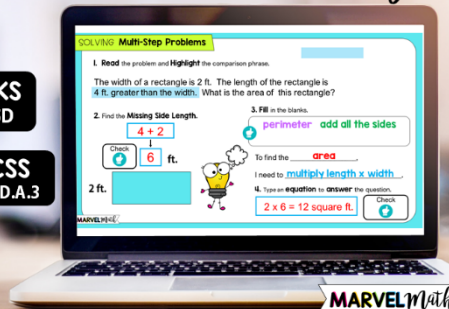
Multi-Step Perimeter & Area LESSON 5

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SOLVING Multi-Step Problems

1. Read the problem and Highlight the comparison phrases.

The width of a rectangle is 2 ft. The length of the rectangle is 4 ft, greater than the width. What is the area of this rectangle?

2. Find the Missing Side Length.

$4 + 2 = \square$ ft.

3. Fill in the blanks.

perimeter add all the sides

To find the area

I need to multiply length $\times$ width.

2 $\times$ 6 = 12 square ft.

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4th Grade Bundle

MARVELMath

USE WITH Google Drive

Link to Video Lesson Embedded in Google Slides



Melissa Johnson
M.A. Mathematics Education



Lesson 5
Multi-Step Problems
TEKS 4.5D
CCSS 4.MD.A.3

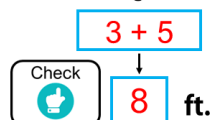
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SOLVING Multi-Step Problems

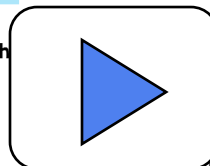
1. **Read** the problem and **Highlight** the comparison phrase.

The width of a rectangle is 5 ft. The length of the rectangle is 3 ft. greater than the width. What is the area of this rectangle?

2. Find the **Missing Side Length**



5 ft.



the blanks.

Perimeter add all the sides

Find the **area**.

I need to **multiply length x width**.

4. Type an **equation** to **answer** the question.

$$5 \times 8 = 40 \text{ square ft.}$$

Check



Self-Checking Problems Included to Give Students Confidence

FIND THE Missing Side #2

AREA = 96 square units

8

?

1 9 6

8

1

0 1 2 3 4

5 6 7 8 9

The missing **SIDE LENGTH** is units

Delete this box to
**Check Your
Work.**

Click on the box & hit the
"backspace" or "delete" key.

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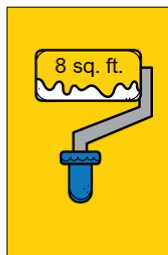
Movable Pieces for Student Engagement

FRAMING AND PAINTING ART

The width of a rectangle shaped canvas is 2 ft.
The length of the canvas is twice the width.

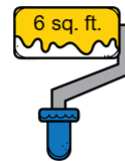
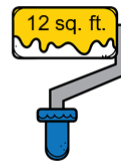
2 ft.

4
ft.



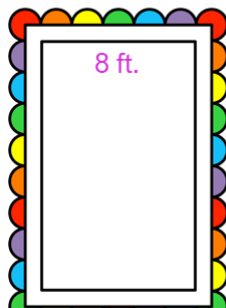
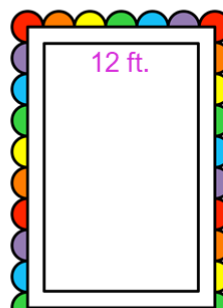
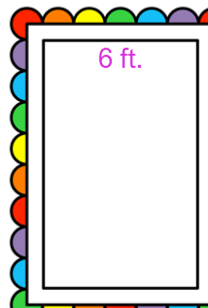
What is the **area**?

Move the paint roller with the correct area onto the canvas.



What is the **perimeter**?

Move the frame with the correct perimeter onto the canvas.

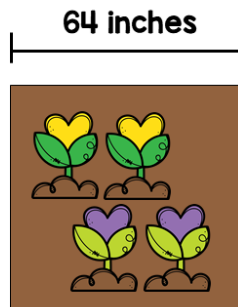


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Built-In Word Problem Support

WORD PROBLEM

Rick is going to add a wood border around his square garden. What is the perimeter of his garden in inches?



256 square inches

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Delete this box for
step-by-step
help.

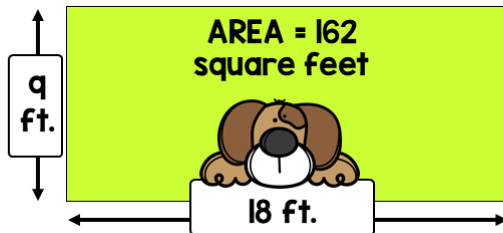
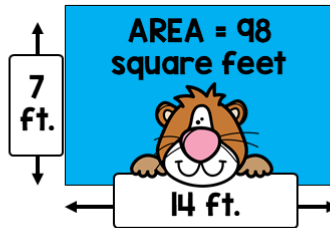
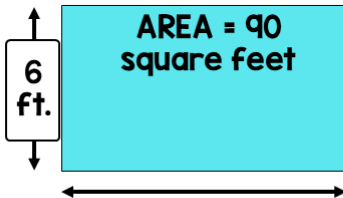
Click on the box & hit
the "backspace" or
"delete" key.

Movable Pieces for Student Engagement

PET STORE Sections

A pet store has different sections to sell food and toys for different types of pets.

Use the information given to find the missing length of each section. Then move the pet with that side length into that section. One pet will not be used.



19 ft.



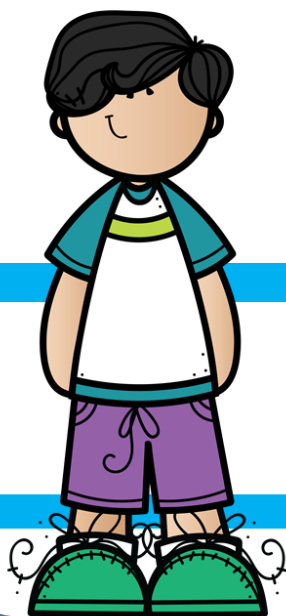
15 ft.

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Aligned to the Standards

TEKS 4.5D

CCSS 4.MD.A.3



Multi-Step Perimeter & Area Problems Lesson 5

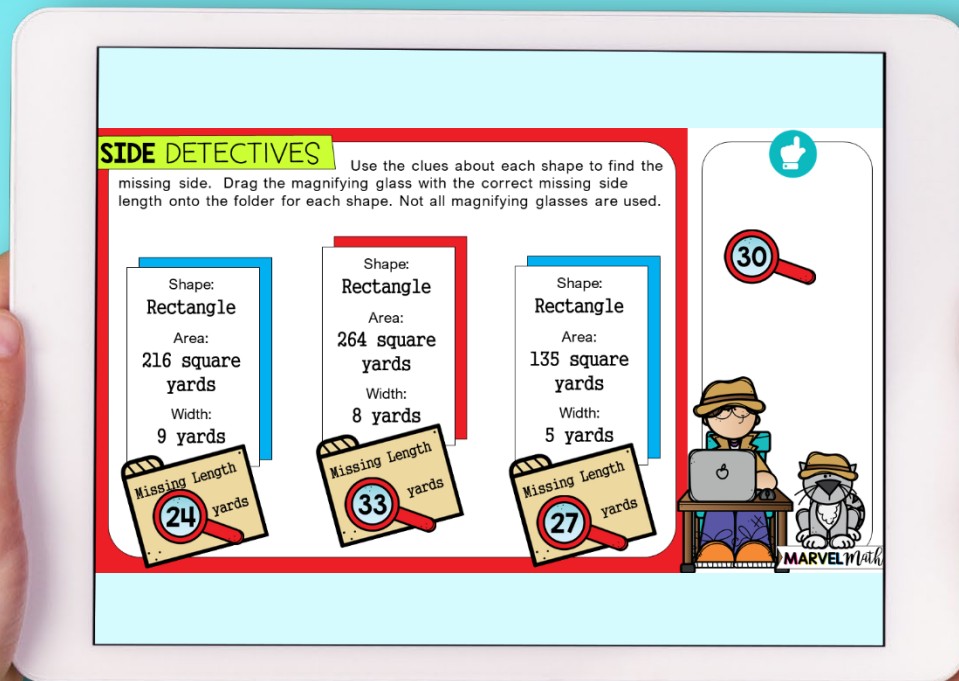
**I can solve multi-step
area and perimeter problems
that use comparisons.**

TEKS 4.5D

CCSS 4.MD.A.3

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Assign the included key along with the activity so that students and parents can check their work as they go.



Perimeter & Area Lessons

PERIMETER AND AREA of Rectangles

Rectangles have opposite sides that are

Nita has a rectangle shaped pool.

25 feet
15 feet

Find the **AREA** of Nita's pool:
 $\square \times \square = \square$ square feet

Find the **PERIMETER** of Nita's pool:
 $\square + \square + \square + \square = \square$ feet

Lesson 1: Using Equations to Find Perimeter & Area

FIND THE Missing Side #2

AREA: $\square \times \square = \square$

PERIMETER: $\square + \square + \square + \square = \square$

The missing **SIDE LENGTH** is $\square$ units

Lesson 2: Find the Missing Side in Area Problems

Use the ruler to measure the side lengths to the nearest inch. Type the correct number in each box. Complete the equations to find the area and perimeter. When you are done, drag each box down to check your work.

Find the **Area**: $\square \times \square = \square$ square inches
 $9 \times 6 = 54$ square inches

Find the **Perimeter**: $\square + \square + \square + \square = \square$ in.
 $9 + 6 + 9 + 6 = 30$ in.

Lesson 3: Use a Ruler to Measure Sides to Find Perimeter & Area

A room at a school is divided into a STEM lab and reading nook. What is the area of the STEM Lab?

30 ft.
25 ft.
18 ft.
12 ft.

Step 1: Find the missing side length.
 $\square - \square = \square$ feet
 $18 - 12 = 6$ feet

Step 2: Multiply length x width to find the area.
 $\square \times \square = \square$ square feet
 $6 \times 18 = 108$ square feet

Lesson 4: Multi-Step Perimeter & Area Problems

SOLVING Multi-Step Problems

1. Read the problem and **Highlight** the comparison phrases.
The width of a rectangle is 4 m. The length of the rectangle is **twice the width**. What is the perimeter of this rectangle?

2. Find the **Missing Side Length**.
 $2 \times 4 = \square$ m
4 m

3. Fill in the blanks.
area: $\square \times \square = \square$
To find the **perimeter**, I need to **add all the sides**.
16. Type an **equation** to answer the question.
 $4 + 4 + 4 + 4 = 16$ m

Lesson 5: More Multi-Step Perimeter & Area Problems

Features & Benefits

For teachers + students



Easy for Teachers to Assign to Students in Google Classroom



Moveable Pieces to Engage Learners



Keep or Remove Activities to fit the Needs of Each Learner



No Prep Resource

What if I don't have Google Classroom?

If you are a parent and want to use this resource, you can!



Follow the Instructions to make a copy of this resource in your Google Drive



Open the file for your child to use on a computer or mobile device