

Multi-Step Perimeter & Area

Video Lesson + Engaging Activities

Created for Distance  Learning

TEKS
4.5D

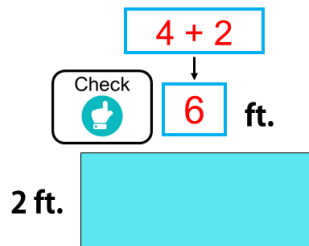
CCSS
4.MD.A.3

SOLVING Multi-Step Problems

1. Read the problem and Highlight the comparison phrase.

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.



3. Fill in the blanks.

perimeter add all the sides

To find the **area**,

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

4. Type an equation to answer the question.

$2 \times 6 = 12$ square ft.

Check



MARVELmath

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

MARVELmath
MARVELMATH.COM

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

3 + 5
↓
8 ft.

5 ft.

3. Find the perimeter. Add all the sides.

4. Type an equation to answer the question.

5 x 8 = 40 square ft.

Check

Self-Checking Problems Included to Give Students Confidence

SOLVING Multi-Step Problems

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

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**.

$4 + 2$

Check  6 ft.

2 ft. 



3. **Fill** in the blanks.

perimeter **add all the sides**

To find the **area**,

I need to **multiply length**.

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

$2 \times 6 = 12$ square ft.

Check  $2 \times 6 = 12$ sq. ft.





MARVELmath

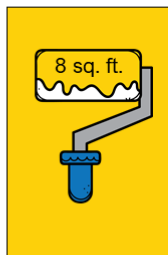
Movable Pieces for Student Engagement

FRAMING AND PAINTING ART

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

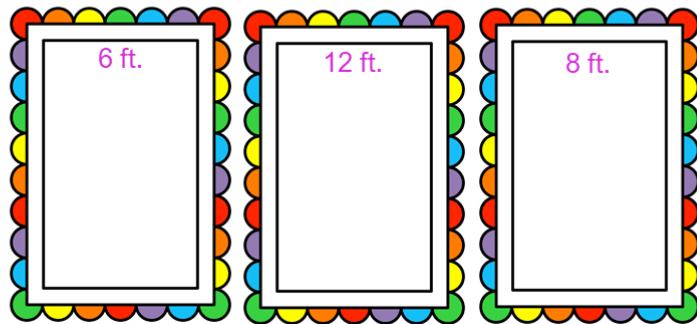
2 ft.

4
ft.



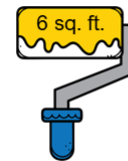
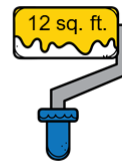
What is the **perimeter**?

Move the frame with the correct perimeter onto the canvas.



What is the **area**?

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



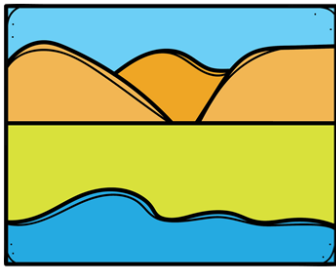
MARVELmath

Built-In Word Problem Support

WORD PROBLEM

A rectangle shaped painting is 20 inches wide. The length of the painting is 8 inches greater than the width. What is the perimeter of the painting?

20
in.



MARVELmath



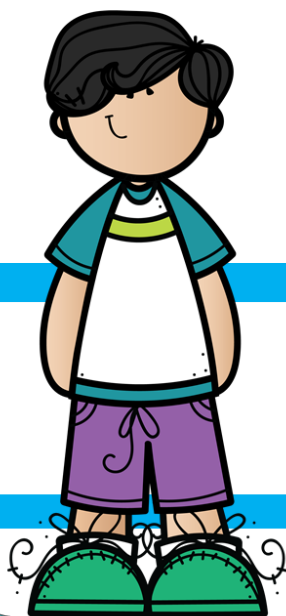
Delete this box for
step-by-step
help.

Click on the box & hit
the “backspace” or
“delete” key.

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.**

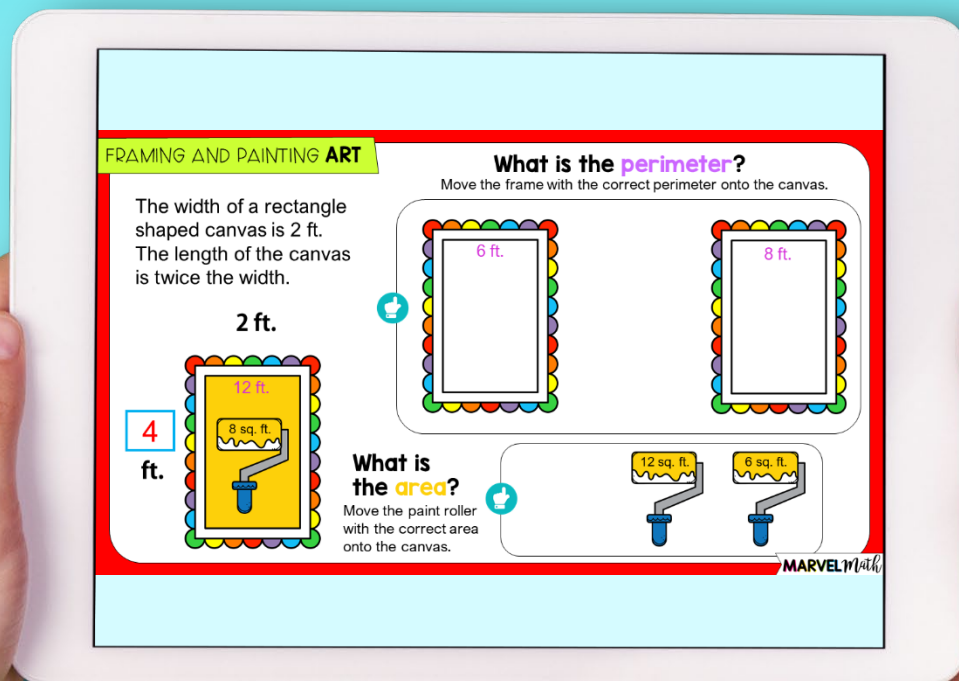
TEKS 4.5D

CCSS 4.MD.A.3

MARVELmath

MARVELmath

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



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