

NOT SO WIMPY

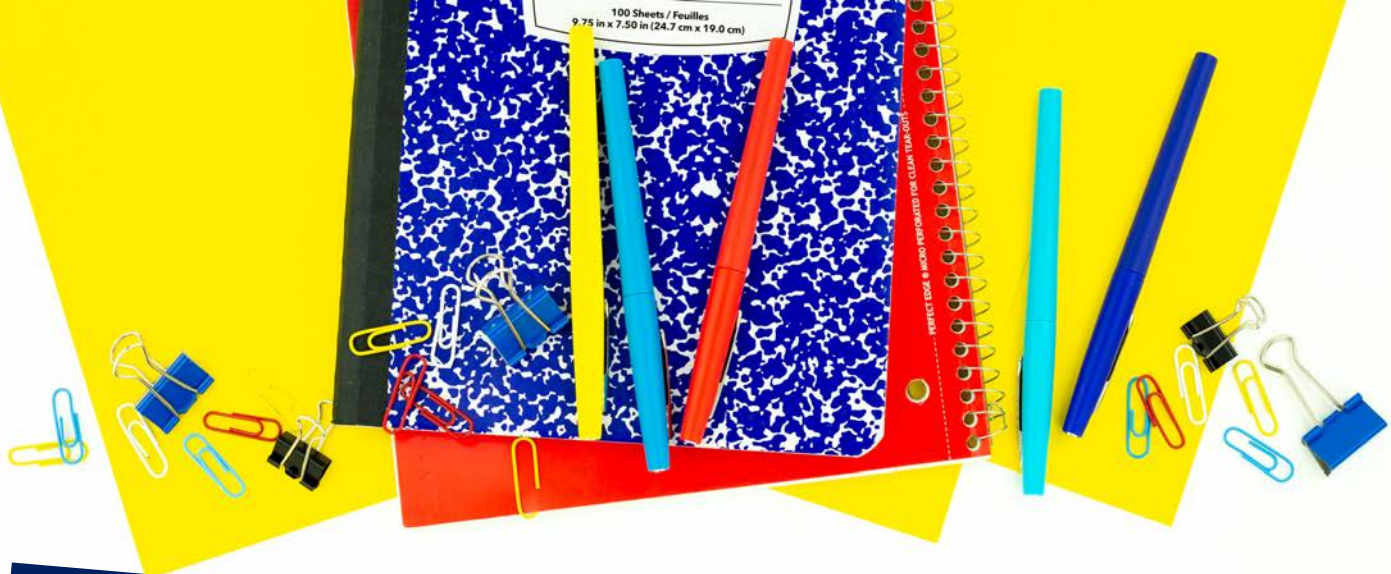
UNIT 6:

AREA & PERIMETER

3RD GRADE MATH

20 DAYS OF LESSON PLANS,
POWERPOINTS, PROBLEM SETS,
EXIT TICKETS, ASSESSMENTS,
GAMES, TASK CARDS, PROJECT-
BASED LEARNING & MORE!





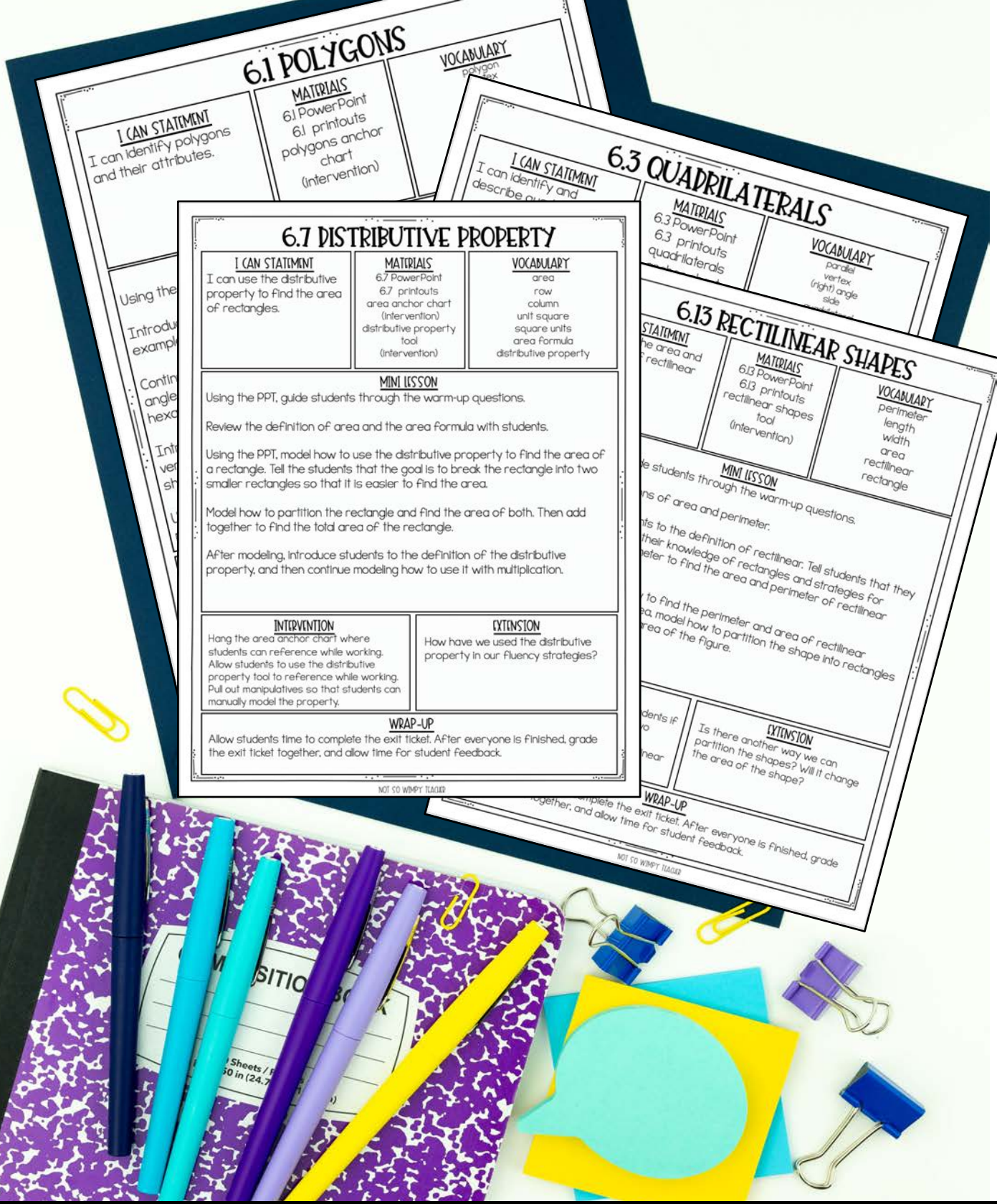
UNIT 6: AREA & PERIMETER at a glance

Day 1 Polygons	Day 2 Quadrilaterals	Day 3 Quadrilaterals	Day 4 Area	Day 5 Area
Day 6 Area	Day 7 Distributive Property	Day 8 Distributive Property	Day 9 Distributive Property	Day 10 Review
Day 11 Perimeter	Day 12 Perimeter	Day 13 Rectilinear Shapes	Day 14 Rectilinear Shapes	Day 15 Rectilinear Shapes
Day 16 Word Problems	Day 17 Word Problems	Day 18 Word Problems	Day 19 PBL	Day 20 Assessment

THIS UNIT COVERS THE FOLLOWING COMMON CORE MATH STANDARDS: 3.G.1, 3.MD.5, 3.MD.6, 3.MD.7, 3.MD.8, 3.OA.B.5

Notes:

Includes a pacing guide to see all
four weeks at a glance



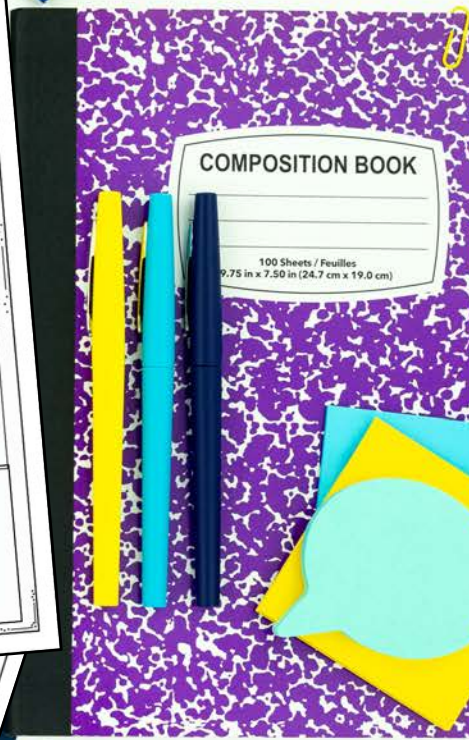
INCLUDES 20 DAYS OF WHOLE GROUP LESSON PLANS!

6.6 MEET THE TEACHER

MATERIALS FOR TEACHER: whiteboard, eraser, marker

MATERIALS FOR STUDENTS: whiteboards, erasers, markers

APPROACHING	Ask students to find the area of a 7 cm. by 4 cm. rectangle on their whiteboards. Check for accuracy, and reteach if needed. Model how to find the missing side length of a rectangle with an area of 25 square inches and a side length of 5 inches. Repeat with an area of 32 sq. cm. and a side of 4 cm. Repeat again with an area of 63 sq. Ft. and a side of 7 Ft.
ON TRACK	Ask students to find the area of a 7 cm by 4 cm rectangle on their whiteboards. Check for accuracy, and reteach if needed. Ask students to walk you through how to find the missing side length of a rectangle with an area of 25 square inches and a side length of 5 inches. Pair students together, and repeat with an area of 32 sq. cm. and a side of 4 cm. Repeat again with an area of 63 sq. Ft. and a side of 7 Ft.
MASTERS	Ask students to find the area of a 7 cm. by 4 cm. rectangle on their whiteboards. Check for accuracy, and reteach if needed. Ask students to find the missing side length of a rectangle with an area of 25 square inches and a side length of 5 inches. Discuss the relationship between finding the missing side length and division. Repeat with an area of 32 sq. cm. and a side of 4 cm. Repeat again with an area of 63 sq. Ft. and a side of 7 Ft.
NOTES:	



INCLUDES SMALL GROUP/ MEET WITH TEACHER LESSON PLANS

Name: _____

Unit 6 Lesson 1 Problem Set

Directions: Draw a line to match each word to its definition.

1. angle _____ a line that joins two vertices

polygons _____

irregular _____

vertices _____

side _____

regular _____

Name: _____

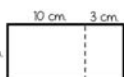
Unit 6 Lesson 3 Homework


Directions: The right column describes the shape(s). The left column names the shape(s) the right column describes. Fill in the missing information from the boxes.

Name: _____


Unit 6 Lesson 7 Problem Set

Directions: Use the distributive property to find the area of the rectangle.


1.  _____

2.  _____

3. $4 \text{ ft.} \times 12 \text{ ft.} =$ _____

4.  _____

5. $14 \text{ km.} \times 5 \text{ km.} =$ _____

6.  _____

Name: _____

Unit 6 Lesson 5 Exit Ticket

Directions: Use the area formula to find the area of each rectangle below. Write the equation used to solve and the product on the line below.

Name: _____


Unit 6 Lesson 11 Exit Ticket

Directions: Find the perimeter of each shape.

Name: _____

Unit 6 Lesson 13 Exit Ticket

Directions: Find the area and perimeter of the shape.



Name: _____

Unit 6 Lesson 9 Homework

Directions: Use the distributive property to find the area of the rectangle. Write the equation that represents the large rectangle.

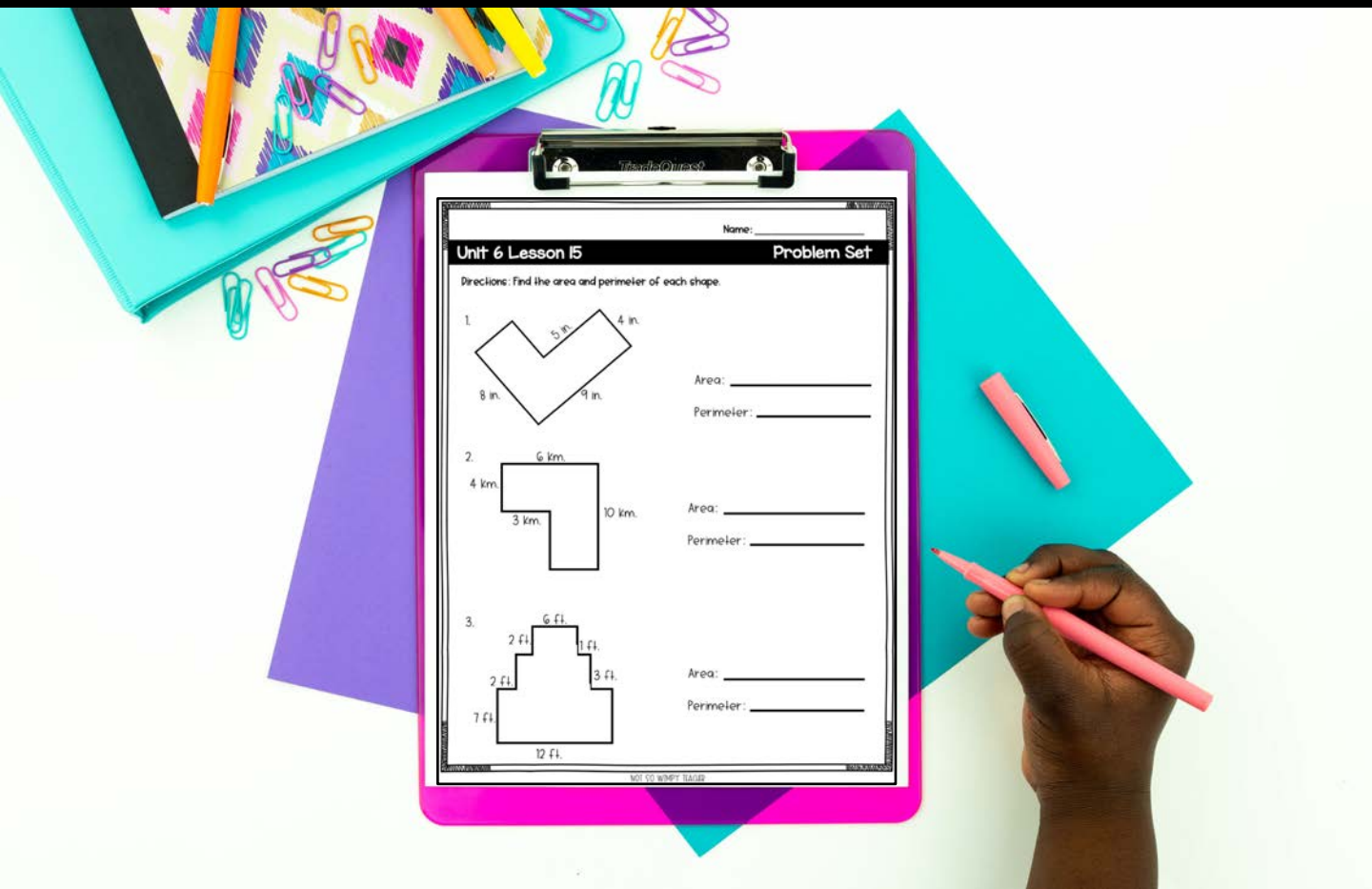
1. $(8 \times 2) + (8 \times 2) =$ _____ sq. m.

_____ x _____ = _____

_____ x _____ = _____

_____ x _____ = _____

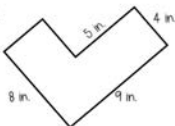
INCLUDES PROBLEM SETS, HOMEWORK, AND EXIT TICKETS FOR EACH DAY

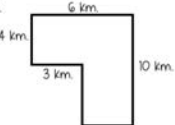


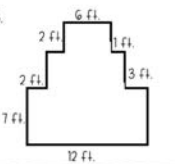
Name: _____

Unit 6 Lesson 15 Problem Set

Directions: Find the area and perimeter of each shape.

1.  Area: _____
Perimeter: _____

2.  Area: _____
Perimeter: _____

3.  Area: _____
Perimeter: _____

6.1 Polygons

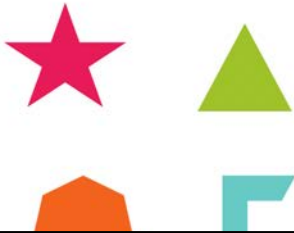
I can identify polygons and their attributes.

Fact Fluency

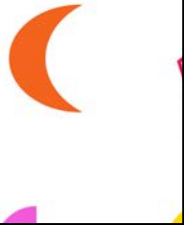
x3, x4, x6, x7, x8, x9

Polygons

Polygon



Not a Polygon



Today we are going to learn a new strategy called **double double** to multiply by 4!

Polygons

Vocabulary:

Vertex: the point or corner where two lines meet



Polygons

Vocabulary:

A **polygon** is a closed shape with straight sides.

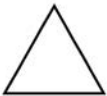
Centers


	MON.	TUES.	WED.	THURS.
GROUP 1	Meet the Teacher	Independent	Meet the Teacher	Independent
	Technology	Math Facts	Technology	Math Facts
	Independent	Meet the Teacher	Independent	Meet the Teacher
	Math Facts	Technology	Math Facts	Technology
	Technology	Math Facts	Technology	Math Facts
	Meet the Teacher	Independent	Meet the Teacher	Independent
	Math Facts	Technology	Math Facts	Technology
	Independent	Meet the Teacher	Independent	Meet the Teacher


NOT SO WIMPY TEACHER

Exit Ticket

Directions: Name the shapes on the lines below.

- 

- 

- 

4. Use the space below to draw an irregular pentagon.

INCLUDES DAILY POWERPOINTS FOR TEACHING MATH SKILLS.



CARD 18:
Mercedes purchased a rug for her library. The rug measured 8 feet by 6 feet. What is the area of the rug?

CARD 14:
Use the distributive property to find the area of the rectangle.
5 ft.
8 ft.
3 ft.

CARD 11:
Use the distributive property to find the area of the rectangle.
10 in. 2 in.
6 in.

a game and scoot are included for the end of unit review

Mercedes purchased a rug for her library. The rug measured 8 feet by 6 feet. What is the area of the rug?



Name the polygon.



Find the area of the rectangle using the tiles.

4 m.

3 m.



AREA & PERIMETER

Name: _____

Directions: Read each card and record your answer in the box.

1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.
17.	18.	19.	20.
21.	22.	23.	24.

POLYGONS

A polygon is a shape with straight sides.

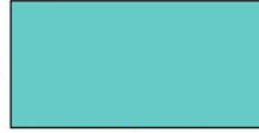
Polygon



AREA

Area is the amount of space on the inside of a shape.

3 ft.



5 ft.

Use the formula $l \times w = \text{area}$ to find the area of a shape.

$\text{area} = \text{length} \times \text{width}$

15 square feet = 5×3

VOCABULARY CARDS AND ANCHOR CHARTS
FOR TEACHER AND STUDENTS TO
REFERENCE THROUGHOUT THE UNIT

DISTRIBUTIVE PROPERTY

breaking apart a factor into

addition to multiply

$$7 \times 6 =$$
$$5 + 2 = 7$$

RECTANGLE

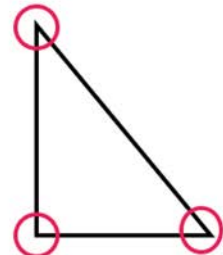
a quadrilateral with right angles and opposite equal sides



VERTEX

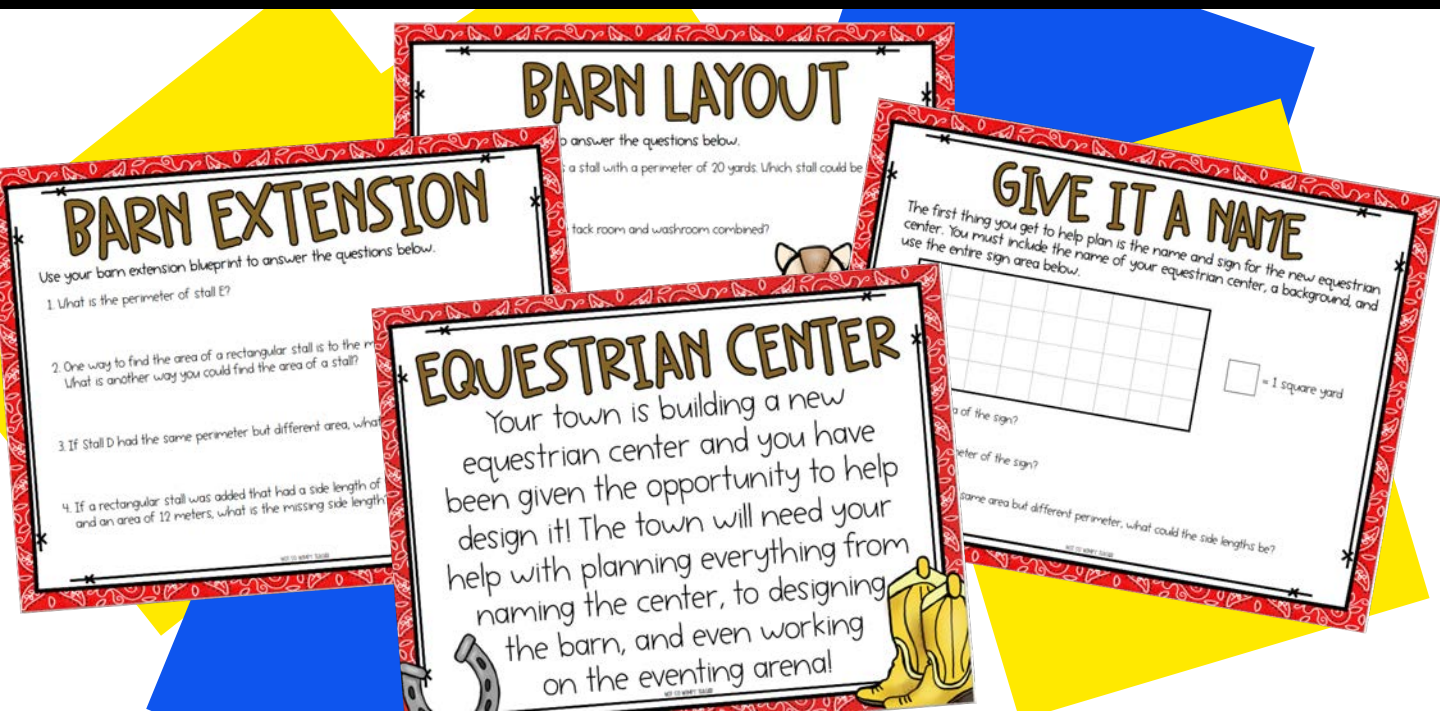
a corner or point where two lines meet

*Vertices is the plural form of vertex.





a project-based learning for students to review the standards in a fun and engaging way



6.11 PERIMETER

I CAN STATEMENT
I can find the perimeter of a given shape.

MATERIALS
6.11 PowerPoint
6.11 printouts
perimeter anchor chart
(intervention)

VOCABULARY
perimeter
length
width
area

MINI LESSON

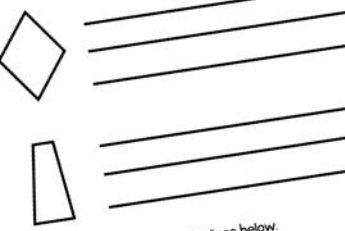
Using the PPT, guide students through the warm-up questions.

Review the definition of area, and introduce the students to the definition of perimeter.

Tell students that they are going to use their knowledge of rectangles to find the perimeter. Review that opposite sides are equal on rectangles.

Lesson 2

Directions: Use the lines to describe the shapes using as many attributes as you can.



Directions: Name the shapes on the lines below.

- Which quadrilateral has one set of parallel sides?
- Which quadrilateral has 4 right angles and 2 pairs of equal sides?
- Which quadrilateral has 4 equal sides?
- Which quadrilateral has 4 equal sides and 1 right angle?
- What is the name of any shape with 4 equal sides and no right angles?

Name: _____

Unit 6 Lesson 13 Exit Ticket

Directions: Find the area and perimeter of the shape.

Area: _____

Name: _____

Homework

1. Find the perimeter of each shape.

2. A poster is 12 inches wide and 18 inches high. How many inches of border does she need?

3. A garden has a total perimeter of 32 feet. If the length is 10 feet, what is the width?

4. A square garden has sides of 10 feet, and 12 feet. What is the perimeter?

DISTRIBUTIVE PROPERTY

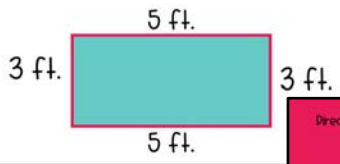
Break apart a factor into addends.
 $8 \times 6 =$

AREA FORMULA

the equation used to find $A = \text{length} \times \text{width}$

PERIMETER

Perimeter is the length of the outside edges.



SQUARE

quadrilateral with all equal sides and right angles



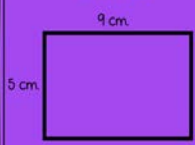
RIGHT ANGLE

measures 90 degrees

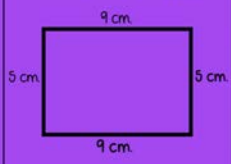


PERIMETER

STEP 1:
Label the missing sides.

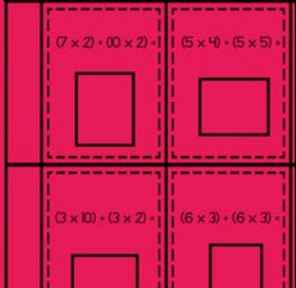


STEP 2:
Add.
 $9 + 9 + 5 + 5 = 28 \text{ cm.}$



AREA

Distributive Property



FINDING AREA



STEP 1:
Partition into 5 columns.



STEP 2:
Partition into 3 rows.



STEP 3:
Count the unit squares.
15 square feet

1	2	3	4	5
6	7	8	9	10

each day of math is fully planned for you with all the tools you'll need!