

UNIT SIX

OVERVIEW

	FOCUS	STANDARD
WEEK 1	Geometry: Quadrilaterals, Congruent Figures, 2D and 3D Shapes	TEKS: 3.6AB CCSS: 3.G.A.1
WEEK 2	Area: Intro to Area, Unit Squares, Relate to Multiplication	TEKS: 3.6CD CCSS: 3.MD.C.6, 3.MD.C.7A, 3.MD.C. 7.B, 3.MD.C.5, 3.MD.C.5AB
WEEK 3	Area: Decomposing Rectangles, Partition Shapes, Relate to Fractions	TEKS: 3.6DE CCSS: 3.G.A.2, 3.MD.C.7.D, 3.MD.C.7.C
WEEK 4	Perimeter: Square Units, Measuring, Unknown Sides, Relate to Area	TEKS: 3.7B CCSS: 3.MD.D.8

DAILY LESSON PLANS

-20 Days of Lesson Plans for: Geometry (Quadrilaterals, Polygons, Characteristics, Congruent, etc) 2 Weeks of Area, Perimeter

-STANDARDS ALIGNED to Common Core and TEKS

AREA Day One			AREA Day Two			AREA Day Three			AREA Day Four			AREA Day Five		
CUS SKILL	OBJECTIVE	MATERIA	CUS SKILL	OBJECTIVE	MATERIA	CUS SKILL	OBJECTIVE	MATERIA	CUS SKILL	OBJECTIVE	MATERIA	CUS SKILL	OBJECTIVE	MATERIA
Area Units	Use flat tiles to cover a figure.		Area Units	Explain the area of a figure.		Area Units	Explain the area of a figure.		Area Units	Explain the area of a figure.		Area Units	Explain the area of a figure.	
VOCABULARY WORDS	WORD PROBL		VOCABULARY WORDS	WORD PROBL		VOCABULARY WORDS	WORD PROBL		VOCABULARY WORDS	WORD PROBL		VOCABULARY WORDS	WORD PROBL	
MINILESSON	ACTIVITY	INTERACTIVE NOTEBOOKS	MINILESSON	ACTIVITY	INTERACTIVE NOTEBOOKS	MINILESSON	ACTIVITY	INTERACTIVE NOTEBOOKS	MINILESSON	ACTIVITY	INTERACTIVE NOTEBOOKS	MINILESSON	ACTIVITY	INTERACTIVE NOTEBOOKS

GEOMETRY Day One			GEOMETRY Day Three			GEOMETRY Day Five		
CUS SKILL	OBJECTIVE	MATERIA	FOCUS SKILL	OBJECTIVE	MATERIALS	SKILL	OBJECTIVE	MATERIA
Area Units	I can find the area of a square.		Square Units	I can find the area of a square.		Area Units	I can find the area of a square.	
VOCABULARY WORDS	WORD PROBL		VOCABULARY WORDS	WORD PROBL		VOCABULARY WORDS	WORD PROBL	
MINILESSON	ACTIVITY	CRAFT	MINILESSON	ACTIVITY	WORD PROBLEM	MINILESSON	ACTIVITY	ASSESSME
Measure the Area	Introduce area to the students with the Measure the Area pages. Show students how you can use square units to cover the inside of the figure. Discuss not overlapping the units or leaving any spaces. Allow students an opportunity to explore finding the area of the figures with their square unit pieces.	Gap Measure can be tables and Stude square the int Stud will av stud of th are at	Review the attributes of shapes shared using the posters provided in lesson 1.	Classification Domination	During today's interactive notebook, students will need to begin by drawing a Venn Diagram. They will then get a set of the 8 shapes included. Student's must create a way to sort their shapes based on their attributes on the Venn Diagrams. They will need to label their diagram and cut and			

MINILESSONS

-Ideas and materials on how to teach the concepts



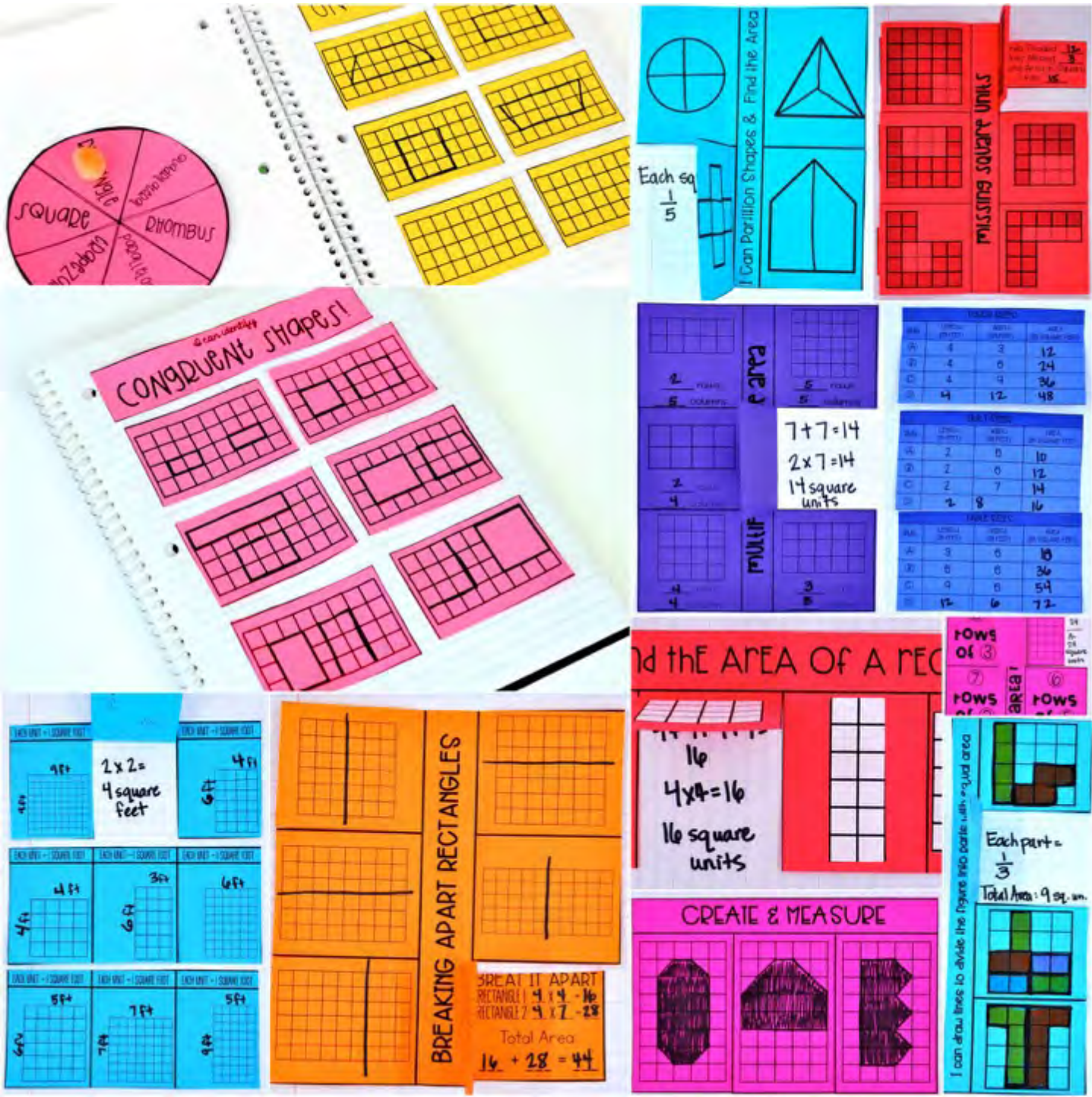
FUN ACTIVITIES

Easy to Print Activities, Games, and Fun Stuff that help students stay engaged during your math block



INTERACTIVE NOTEBOOKS

Activities that are easy to cut and glue into math spirals/



I CAN STATEMENTS

I CAN

FIND THE AREA OF A RECTANGLE

The area is 24 square units



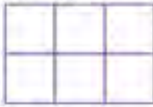
FIND THE AREA OF A FIGURE

The area is 5 square units



USE REPEATED ADDITION TO FIND THE AREA OF A RECTANGLE

$$3 + 3 = 6$$



CLASSIFY AND SORT 3D SOLIDS



CLASSIFY QUADRILATERALS



CLASSIFY AND SORT 2D SHAPES



IDENTIFY CONGRUENT FIGURES



DECOMPOSE 2D SHAPES



COMPOSE 2D SHAPES



PARTITION OBJECTS INTO EQUAL PARTS



USE UNIT FRACTIONS TO NAME EACH PART OF THE DIVIDED WHOLE



Each part is $\frac{1}{3}$ of the shape's area.

BREAK APART A FIGURE TO FIND THE TOTAL AREA




Rectangle 1: $3 \times 3 = 9$


Rectangle 2: $3 \times 2 = 6$

Total Area $9 + 6 = 15$ square units

VOCABULARY CARDS

INCH  about the size of a paperclip, thimble, or eraser

FOOT  12 inches = 1 foot

YARD  3 feet = 1 yard about the length of a guitar or baseball bat

CENTIMETER  about the length of a dime, staple, or ant

2D SHAPE 

3D SHAPE  shapes with height, depth, and width

VERTEX 

ANGLE  I have 3 angles.

DECOMPOSE  Cut the trapezoid apart to form new shapes

QUADRILATERAL  I have 4 sides.

POLYGON 

METER  100 centimeters = 1 meter

REPEATED ADDITION  $5 + 5 + 5 + 5$

ESTIMATE  The piece of paper is about one foot long


MULTIPLY 2×3 2 GROUPS OF 3 

COMPARE  The pink bear is one unit taller than the blue bear.

LENGTH  OF A RECTANGLE

UNIT SQUARE  square with the side length of one unit

WIDTH  OF A RECTANGLE

PARALLEL LINES 

FRACTION $\frac{2}{5}$ 

RIGHT ANGLE 

PARTITION  dividing or breaking into equal parts

CONGRUENT 

DISTRIBUTIVE PROPERTY $6 \times 8 = (6 \times 2) + (6 \times 6)$

QUICK ASSESSMENTS

GEOMETRY

Name: _____

1. I am a polygon. I have four equal sides. I am not a rhombus. What shape am I?

- rectangle
- square
- trapezoid
- rhombus

2. Israel and Ronald are

4. If I have 2 cubic rectangular prisms, faces do I have all


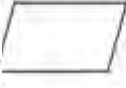
- 12
- 30
- 24

5. Lilly sorted her s
Venn Diagram below
Lilly decided to gro

GEOMETRY

Name: _____

8. Name each quadrilateral shape in the second column. In the third column explain how you know.

area

Name: _____

1. Find the area of the rectangle. Each unit is 1 square meter.

2. Find the area of the rectangle. Each unit is 1 square foot.

5. Write a multiplication equation to find the area of the re

Equation: _____
Total Area: _____

AREA

Name: _____

1. Find the area of the rectangle using a multiplication equation.

6 feet
2 feet

Equation can be used
area of the

9 square units
= 20 square units
= 15 square units

2. Break apart the rectangle to find the area.

Rectangle 1: _____ x _____ = _____
Rectangle 2: _____ x _____ = _____
Total Area: _____

6. Pete made a quilt made out of 4 rows of 8 square units. Which multiplication equation can be used to find the area of the quilt?

- $4 \times 8 = 30$ square units
- $4 \times 8 = 32$ square units
- $8 \times 3 = 32$ square units

PERIMETER

Name: _____

1. Find the area of the shape by writing an addition equation.

2. Find the perimeter of the shape.

20 cm

3. Macy drew an octagon. Each side was 6 inches long. What is the perimeter of Macy's shape?

4. Look at the shape below. Draw a different shape on the grid that has the same area but a different perimeter.

5. Find the length of the missing side.

9 in
8 in
11 in
11 in
3 in

7. Partition the shape into equal parts. Write the fraction that names the area of each part of the whole.

the area of the figure in units.

WEEK ONE



WEEK TWO

Measure the area

CREATE & MEASURE

whole units: 14
half units: 4
Area: 16

roll the die and draw the shape

MISSING SQUARE UNITS

my area friend

ESTIMATE	AREA
head	18
hat	21
back	4
arms	26
torso	50
legs	20
shoes	36

40

roll the die draw the shape measure to win!

roll 1: 3x3 = 9
roll 2: 2x4 = 8
roll 3: 5x6 = 30
roll 4: 1x7 = 7
roll 5: 3x4 = 12
roll 6: 3x5 = 15
roll 7: 5x4 = 20
roll 8: 1x7 = 7

find the area of the figure

find the area of the figure

CARD	AREA
A	11 square units
B	7 square units
C	8 square units
D	8 square units
E	6 square units
F	8 square units

area

2 rows, 5 columns
 $7 + 7 = 14$
 $2 \times 7 = 14$
14 square units

MULTIPLY

4 rows, 4 columns
3 rows, 8 columns

Draw and measure it with the roll was made up of square units. The roll area of the grid was 20 square units. The roll was made up of 10 square units. The roll was made up of 10 square units.

ESTIMATE & MEASURE

ESTIMATE & MEASURE

5 rows of 3
7 rows of 2
AREA 1
6 rows of 5

$6 \times 4 = 24$
A = 24 square units

AREA OF RECTANGLES

AREA OF RECTANGLES

CRACK THE AREA

CRACK THE AREA

my area friend

ESTIMATE	AREA
head	36
hat	42
back	20
arms	48
torso	27
legs	36

I CAN FIND THE AREA OF A RECTANGLE!

No. 4x4 = 16
No. square units

WEEK 3

SCOOT cards (01-06) with grid patterns.

PARTITIONING SHAPE cards:

- SHAPE: Trapezoid
- PARTITION: 3 parts with equal area
- WRITE: Fraction that names the Area of Each Part of the Whole

FINDING PATTERN cards:

- What is the area of the next rug?
- Area: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

RELATING FIGURES, FRACTIONS, AND AREA cards:

- What is the area of the rug? $2 \times 2 = 4$ square feet
- What is the area of the rug? $4 \times 4 = 16$ square feet
- What is the area of the rug? $6 \times 6 = 36$ square feet
- What is the area of the rug? $8 \times 8 = 64$ square feet
- What is the area of the rug? $10 \times 10 = 100$ square feet
- What is the area of the rug? $12 \times 12 = 144$ square feet
- What is the area of the rug? $14 \times 14 = 196$ square feet
- What is the area of the rug? $16 \times 16 = 256$ square feet
- What is the area of the rug? $18 \times 18 = 324$ square feet
- What is the area of the rug? $20 \times 20 = 400$ square feet

DIVIDING A FIGURE INTO PARTS WITH EQUAL AREA cards:

- Divide the figure into 8 parts with equal area.
- Area: 5, 2, 3, 2, 2, 2, 4, 3, 5
- Area: $1\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$, $1\frac{1}{2}$

PARK LOT cards:

- LOT A: 3ft by 4ft, Area: 12 sq ft
- LOT B: 3ft by 3ft, Area: 9 sq ft
- LOT C: 3ft by 6ft, Area: 18 sq ft
- LOT D: 3ft by 4ft, Area: 12 sq ft
- LOT E: 6ft by 4ft, Area: 24 sq ft
- LOT F: 2ft by 6ft, Area: 12 sq ft
- LOT G: 4ft by 6ft, Area: 24 sq ft
- LOT H: 3ft by 8ft, Area: 24 sq ft
- LOT I: 6ft by 8ft, Area: 48 sq ft

BREAKING APART RECTANGLES cards:

- Each part = $\frac{1}{3}$
- Total Area: 9 sq. in.

Other activities:

- Colorful geometric shapes (triangles, squares, hexagons).
- Grid-based area calculations.
- Hand-drawn diagrams of shapes and their partitions.

WEEK 4

