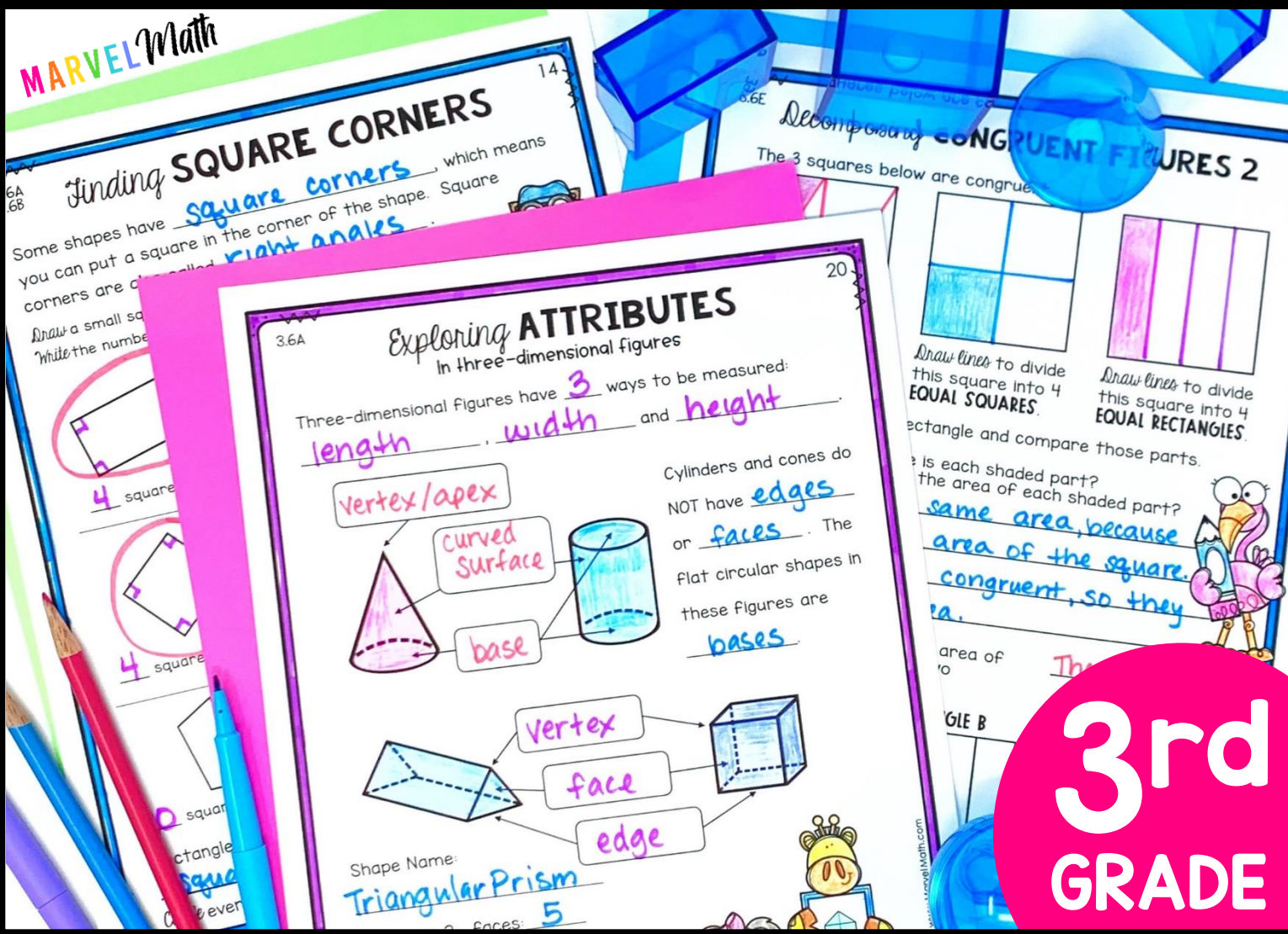


GEOMETRY

TEKS Notebook

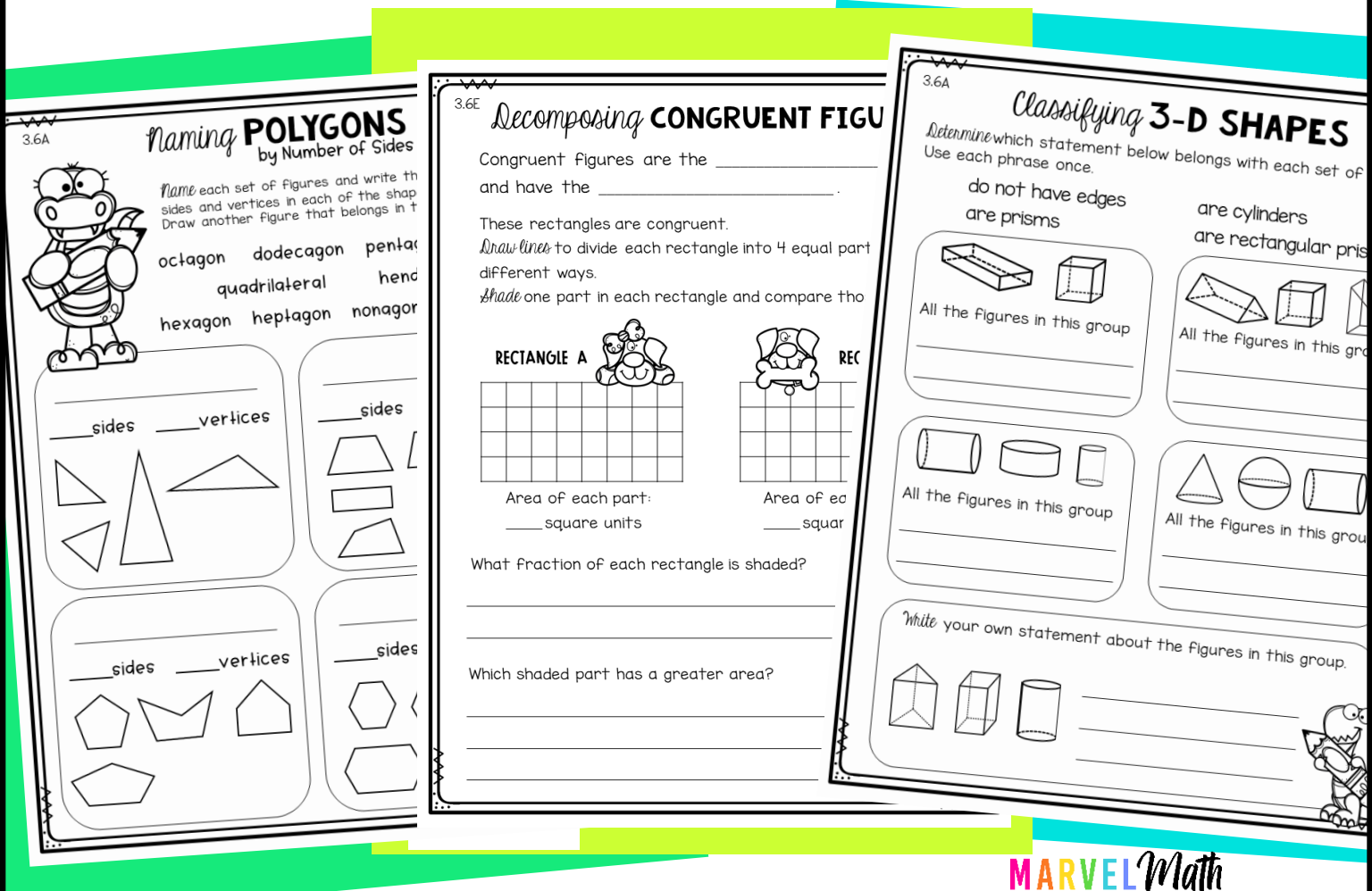


22 Easy-to-Use

Student Notebook Pages to

Introduce each of the

Geometry TEKS



No Cutting or Gluing

Copy & 3-hole punch for use in binders or make a packet for your unit to make the most of class time.



MARVEL Math

3.6A
3.6B

Finding SQUARE CORNERS

Some shapes have square corners, which means you can put a square in the corner of the shape. Square corners are also called right angles.

Draw a small square in each square corner in the Figures below. Write the number of square corners below each shape.

4 square corners

1 square corner

0 square corners

4 square corners

0 square corners

4 square corners

0 square corners

4 square corners

0 square corners

4 square corners

Rectangles have 4 square corners are special rectangles squares rectangle above.

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3.6A

Exploring ATTRIBUTES

In three-dimensional figures

Three-dimensional figures have 3 ways to be measured: length, width, and height.

vertex/apex

curved surface

base

Cylinders and cones do NOT have edges or faces. The flat circular shapes in these figures are bases.

vertex

face

edge

Shape Name: Triangular Prism

How many? Faces: 5

vertices: 6 edges: 9

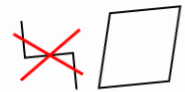
What types of polygons are the Faces? triangles and rectangles

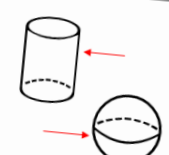
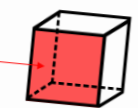
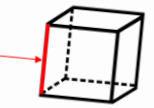
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Supports Student Independence

The entire notebook is designed to be a teaching tool which then becomes a **reference for students** when they need a quick refresher later in the year.

MARVELMath

ESSENTIAL GEOMETRY		VOCABULARY
Term	Picture or Example	Definition
Polygon		Closed shape with straight sides
Closed Figure		A shape without any open sides
Congruent Sides		Sides that are the same length Squares have 4 congruent sides.
		Shapes that are

ESSENTIAL GEOMETRY		VOCABULARY
Term	Picture or Example	Definition
Curved Surface		- Rounded surfaces - A shape would roll if placed on this surface
Face		A polygon that forms the surface of a prism
Edge		Where the sides of 2 faces meet on a 3-D figure
Vertex		Point

Perfect to Start **Whole Class** Lessons or for Focused **Guided** **Math** Lessons

MARVEL Math

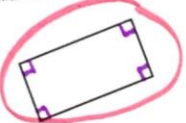
3.6A
3.6B

Finding SQUARE CORNERS

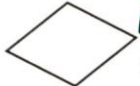
14

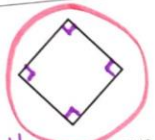
Some shapes have square corners, which means you can put a square in the corner of the shape. Square corners are also called right angles.

Draw a small square in each square corner in the Figures below. Write the number of square corners below each shape.

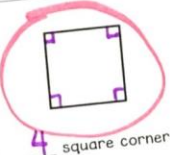
 4 square corners

 1 square corner

 0 square corners

 4 square corners

 0 square corners

 4 square corners



3.6A

Exploring More ATTRIBUTES

12

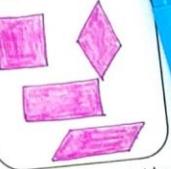
In two-dimensional figures

Shapes can have opposite sides that are the same distance apart. These sides are called parallel sides.

Draw examples of Figures with each type of attribute listed.

 No parallel sides

 1 set of parallel sides

 2 sets of parallel sides

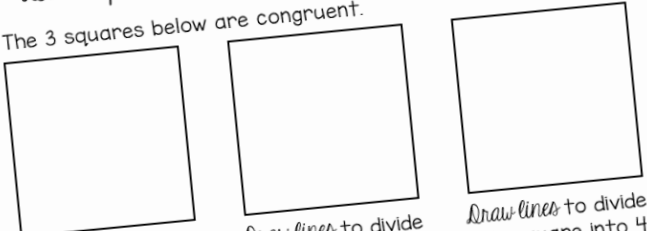
Shapes can have square corners. You can put a square in the corner of those shapes. Square corners

Detailed Teacher's Edition

- Get New Ideas
- Answers at your Fingertips
- Feel Confident Teaching Math

3.6E **Decomposing CONGRUENT FIGURES 2** 18

The 3 squares below are congruent.



Draw lines to divide this square into 4 EQUAL TRIANGLES.

Draw lines to divide this square into 4 EQUAL SQUARES.

Draw lines to divide this square into 4 EQUAL RECTANGLES.

Shade one part in each rectangle and compare those parts.

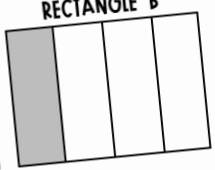
What part of the square is each shaded part?
What do you know about the area of each shaded part?

What do you know about the area of each shaded part of these two congruent rectangles?

RECTANGLE A



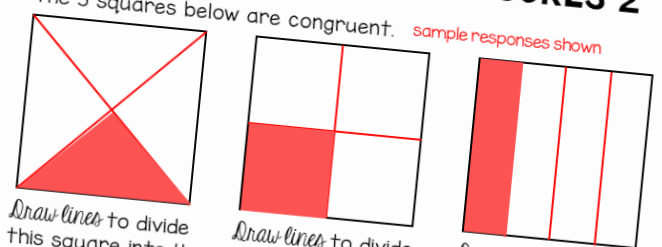
RECTANGLE B



MARVEL Math

3.6E **Decomposing CONGRUENT FIGURES 2**

The 3 squares below are congruent. *sample responses shown*



Draw lines to divide this square into 4 EQUAL TRIANGLES.

Draw lines to divide this square into 4 EQUAL SQUARES.

Draw lines to divide this square into 4 EQUAL RECTANGLES.

Shade one part in each rectangle and compare those parts.

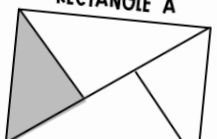
What part of the square is each shaded part?
What do you know about the area of each shaded part?

Each part has the same area, because each one is one-fourth of the area of the square.

All the squares are congruent, so they have the same area.

What do you know about the area of each shaded part of these two congruent rectangles?

RECTANGLE A



RECTANGLE B



The two shaded parts do not have the same area, because Rectangle A wasn't divided into equal parts.

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About the Author

This resource was created by Melissa Johnson, who has 16 years of k-10 teaching experience and a masters degree in Mathematics Education. Her resources build conceptual understanding, make connections between math topics and engage students in the mathematics they are learning.

