

1 Warm-up: Shape Facts

2-min Fluency Warm-up — How many sides does each shape have? Answer fast!

A triangle has _____ sides.

A square has _____ sides.

A rectangle has _____ sides.

A circle has _____ sides.

2 New Words: Sides, Vertices, Angles

- Every flat shape has three things we can count:
- **Sides** — the straight lines
 - **Vertices** — the corners where two sides meet (one is called a **vertex**)
 - **Angles** — the openings inside each corner



A triangle has **3 sides**, **3 vertices**, and **3 angles**. Sides, vertices, and angles always match!

3 Count Sides & Vertices

Count the sides and vertices. Touch each side with your pencil as you count! (Careful: the circle is tricky.)

Shape	Picture	Sides	Vertices
Triangle		_____	_____
Square		_____	_____
Rectangle		_____	_____
Star		_____	_____
Circle		_____	_____

4 Number Talk: Think Without Counting

Number Talk — Explain WITHOUT counting.

A shape has 5 vertices. Without drawing it, how many sides must it have? How do you know?

My thinking: _____

Can a shape have 4 sides but only 3 vertices?

Explain why or why not.

My thinking: _____

5 Word Problem

Read carefully. Draw a picture to help!

Maria is making a garden bed shaped like a triangle. She puts one fence post at every vertex and one flower in the middle of every side. How many fence posts and how many flowers does she need in all?

Draw your thinking: _____

Posts: _____ Flowers: _____ Total: _____