# Count the Sides

Sort shapes by their straight sides.

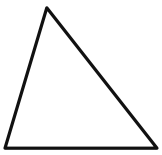
**2.G.A.25** "Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. a. Recognize and draw shapes having specified attributes."

NAME _____ DATE _____

### 3 SIDES

A shape with 3 straight sides is a triangle.

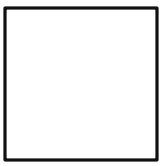
This shape has 3 straight sides.



### 4 SIDES

A shape with 4 straight sides is a quadrilateral. Its sides do not need to be the same length.

This shape has 4 straight sides.



## 1 SORT

8 items

Circle THREE or FOUR for each figure, then choose two figures and explain why each belongs in its group.

**1.**

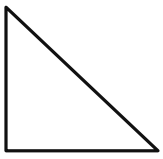


Figure 1

THREE FOUR

**2.**

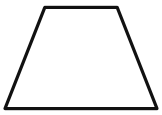


Figure 2

THREE FOUR

**3.**

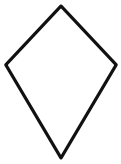


Figure 3

THREE FOUR

**4.**

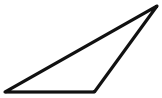


Figure 4

THREE FOUR

**5.**

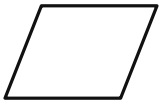


Figure 5

THREE FOUR

**6.**

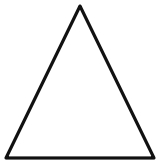


Figure 6

THREE FOUR

**7.**

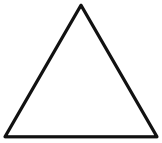


Figure 7

THREE FOUR

**8.**

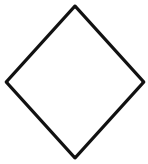


Figure 8

THREE FOUR

## 2 PROVE IT

Explain your thinking

Pick two items from Part 1. For each one, tell how you knew where it belonged.

**ITEM #** _____ **HOW I KNEW** _____

**ITEM #** _____ **HOW I KNEW** _____

## 3 MAKE YOUR OWN

One of each

Draw one new shape for THREE and one new shape for FOUR, then write each group name under its shape.

**THREE**

**FOUR**

**CHALLENGE**

Draw a shape with 4 straight sides and no square corners, then explain why it belongs in FOUR.

**ANSWER KEY**

# Count the Sides

**GRADE 2 · 2.G.A.25**

## PART 1 · SORT

| # | ITEM | CATEGORY | WHY |
|---|---|---|---|
| 1 | Figure 1 (right_triangle) | **THREE** | It has 3 straight sides. |
| 2 | Figure 2 (trapezoid) | **FOUR** | It has 4 straight sides. |
| 3 | Figure 3 (kite) | **FOUR** | It has 4 straight sides. |
| 4 | Figure 4 (obtuse_triangle) | **THREE** | It has 3 straight sides. |
| 5 | Figure 5 (parallelogram) | **FOUR** | It has 4 straight sides. |
| 6 | Figure 6 (isosceles) | **THREE** | It has 3 straight sides. |
| 7 | Figure 7 (equilateral) | **THREE** | It has 3 straight sides. |
| 8 | Figure 8 (rhombus) | **FOUR** | It has 4 straight sides. |

## PART 2 · PROVE IT

Accept any explanation that names the deciding feature from the rule box for the chosen item.

## PART 3 · MAKE YOUR OWN (SAMPLE ANSWERS)

- **THREE**: A narrow triangle labeled THREE.
- **FOUR**: A rectangle labeled FOUR.

**Challenge:** A slanted four-sided shape with no square corners. It belongs in FOUR because it has 4 straight sides.

For Part 2, accept any two figures if the student correctly counts the straight sides of each. For Part 3 and the challenge, accept any drawings that meet the stated side counts and corner rule.