

# Classifying Polygons Using Pairs of Parallel Sides

NCTM Standards 3, 6, 7, 8, 9, 10

Complete the description of each figure by filling in the missing numbers.

1

4 sides



2 pair(s) of parallel sides

4 right angle(s)

2

\_\_\_ sides



\_\_\_ pair(s) of parallel sides

\_\_\_ right angle(s)

3

\_\_\_ sides

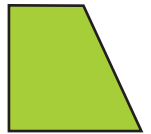


\_\_\_ pair(s) of parallel sides

\_\_\_ right angle(s)

4

\_\_\_ sides

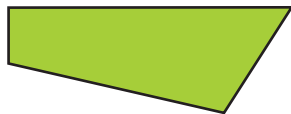


\_\_\_ pair(s) of parallel sides

\_\_\_ right angle(s)

5

\_\_\_ sides



\_\_\_ pair(s) of parallel sides

\_\_\_ right angle(s)

6

\_\_\_ sides

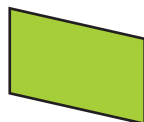


\_\_\_ pair(s) of parallel sides

\_\_\_ right angle(s)

7

\_\_\_ sides



\_\_\_ pair(s) of parallel sides

\_\_\_ right angle(s)

8

\_\_\_ sides

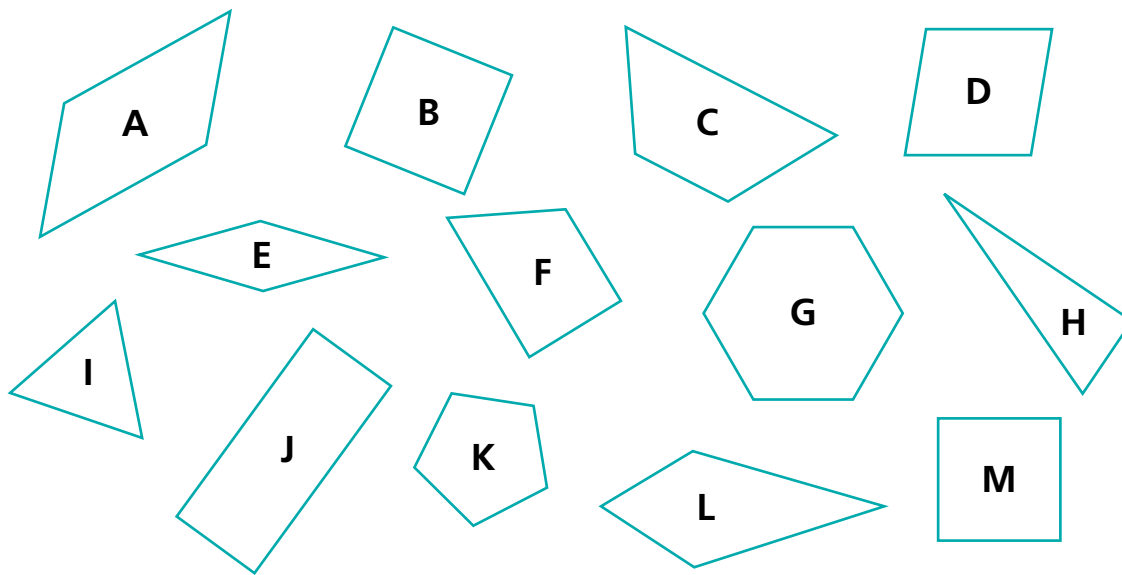


\_\_\_ pair(s) of parallel sides

\_\_\_ right angle(s)

9 Write the letter of each figure in the section of the table that describes its attributes.

	Fewer Than 2 Pairs of Parallel Sides	Exactly 2 Pairs of Parallel Sides	More Than 2 Pairs of Parallel Sides
No Right Angle		A,	
One or More Right Angles			



10 How are figures G and K alike?  
How are they different?

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11 **Challenge** I have exactly 4 sides. They are all straight. I have exactly 2 pairs of parallel sides. I have at least 1 right angle. What shape am I?

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Draw what I might look like.