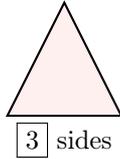# SHAPES

## A  PLANE GEOMETRY

### A.1  FINDING THE SIDES
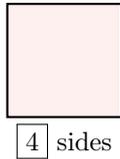
**Ex 1:** How many sides does this shape have?

| 3 | sides

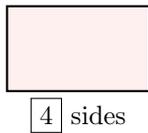*Answer:* Count each straight line to find the number of sides.

3 sides

**Ex 2:** How many sides does this shape have?

| 4 | sides

*Answer:* Count each straight line to find the number of sides.
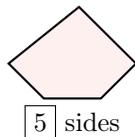
4 sides

**Ex 3:** How many sides does this shape have?

| 4 | sides

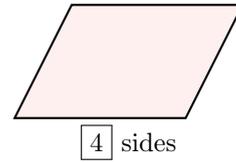*Answer:* Count each straight line to find the number of sides.

4 sides

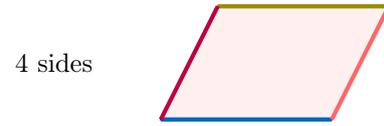**Ex 4:** How many sides does this shape have?

| 5 | sides

*Answer:* Count each straight line to find the number of sides.
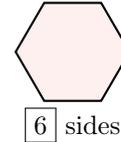
5 sides

**Ex 5:** How many sides does this shape have?

| 4 | sides

*Answer:* Count each straight line to find the number of sides.

4 sides

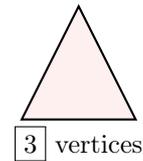**Ex 6:** How many sides does this shape have?

| 6 | sides

*Answer:* Count each straight line to find the number of sides.
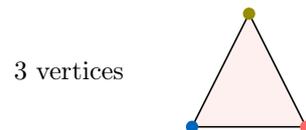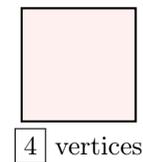
6 sides

### A.2  FINDING THE VERTICES

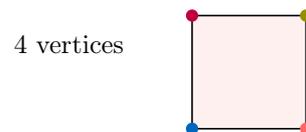**Ex 7:** How many vertices does this shape have?

| 3 | vertices

*Answer:* Count each point where two sides meet
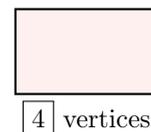
3 vertices

**Ex 8:** How many vertices does this shape have?

| 4 | vertices

*Answer:* Count each point where two sides meet.

4 vertices

**Ex 9:** How many vertices does this shape have?

| 4 | vertices

*Answer:* Count each point where two sides meet.
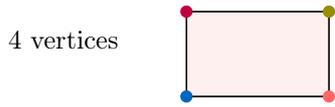
4 vertices

**Ex 10:** How many vertices does this shape have?

$\boxed{5}$ vertices
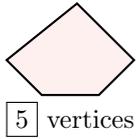
*Answer:* Count each point where two sides meet.
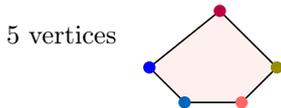
5 vertices

**Ex 11:** How many vertices does this shape have?

$\boxed{6}$ vertices
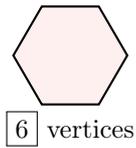
*Answer:* Count each point where two sides meet.
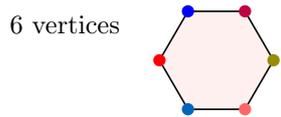
6 vertices

**Ex 12:** How many vertices does this shape have?

$\boxed{4}$ vertices

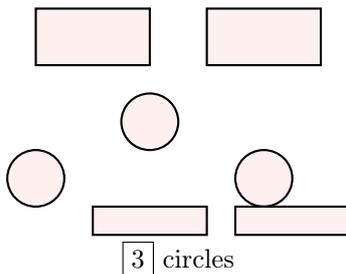*Answer:* Count each point where two sides meet.

4 vertices
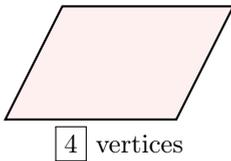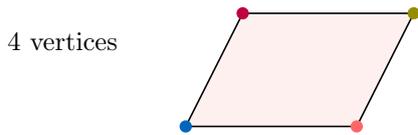
# B  CLASSIFICATION

## B.1  COUNTING SHAPES IN DRAWINGS

**Ex 13:** How many circles are in the picture?

$\boxed{3}$ circles

*Answer:* Count each round shape with no sides to find the number of circles.
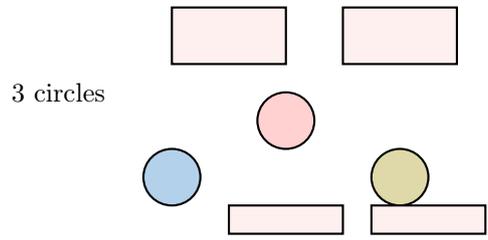
3 circles

**Ex 14:** How many rectangles are in the picture?
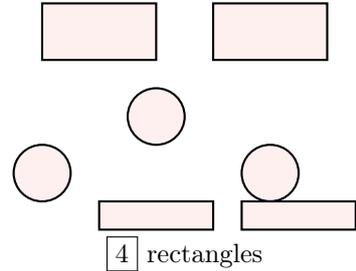
$\boxed{4}$ rectangles

*Answer:* Count each rectangle.

4 rectangles

**Ex 15:** How many rectangles are in the picture?
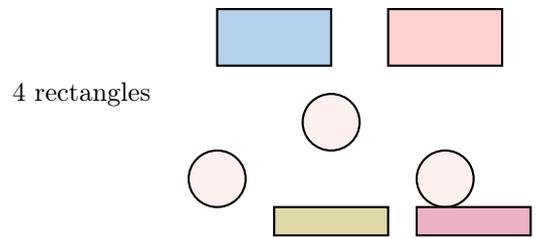
$\boxed{4}$ rectangles
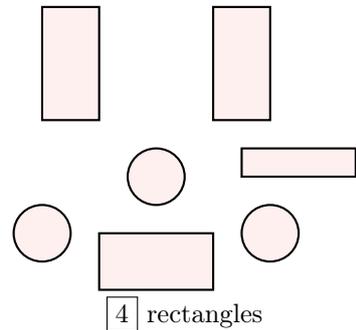
*Answer:* Count each rectangle.

4 rectangles
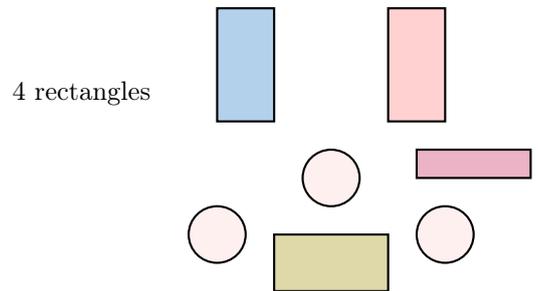
**Ex 16:** How many triangles are in the picture?
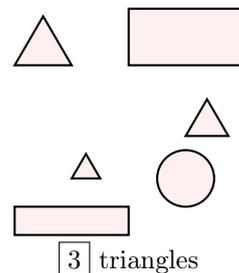
$\boxed{3}$ triangles

*Answer:* Count each shape with 3 sides and 3 vertices to find the number of triangles.

3 triangles



**Ex 17:** How many squares are in the picture?



$\boxed{2}$ squares

*Answer:* Count each shape with 4 equal sides and 4 vertices to find the number of squares.

2 squares



## B.2 FINDING SHAPES IN PICTURES

**Ex 18:** Can you find all the circles in the picture?



$\boxed{2}$ circles

*Answer:* Circles are round shapes with no sides. The soccer ball and the sun are circles because they are round.

2 circles

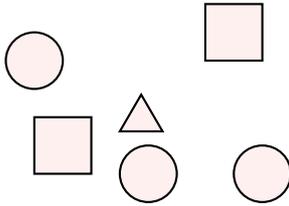**Ex 19:** Can you find all the triangles in the picture?



$\boxed{2}$ triangles

*Answer:* Triangles are shapes with 3 sides and 3 vertices. The roof and the tree are triangles because they have 3 sides.
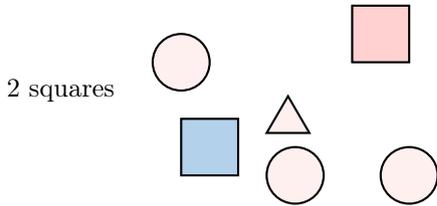
2 triangles

**Ex 20:** Can you find all the rectangles in the picture?



$\boxed{3}$ rectangles
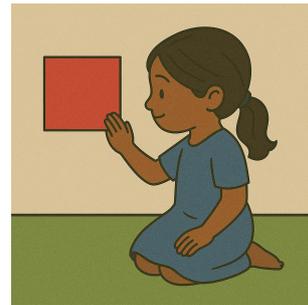
*Answer:* Rectangles are shapes with 4 sides and 4 vertices, with two sides longer than the others. The red, yellow, and blue wooden sticks are rectangles because they have 4 sides with two longer sides.

3 rectangles

**Ex 21:** Can you find all the squares in the picture?



$\boxed{1}$ square

*Answer:* Squares are shapes with 4 equal sides and 4 vertices. The poster is a square because it has 4 sides that are all the same length.

1 square