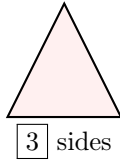


2D SHAPES

A DEFINITIONS

A.1 FINDING THE SIDES

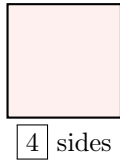
Ex 1: How many sides does this shape have?



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



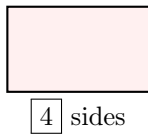
Ex 2: How many sides does this shape have?



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



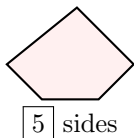
Ex 3: How many sides does this shape have?



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



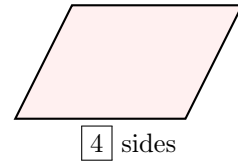
Ex 4: How many sides does this shape have?



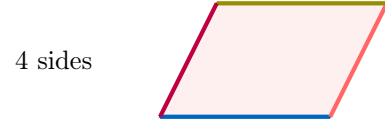
Answer: Count each straight line to find the number of sides.



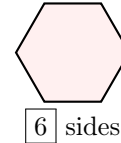
Ex 5: How many sides does this shape have?



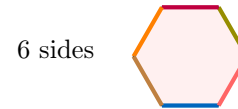
Answer: Count each straight line to find the number of sides.



Ex 6: How many sides does this shape have?

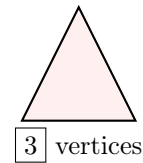


Answer: Count each straight line to find the number of sides.



A.2 FINDING THE VERTICES

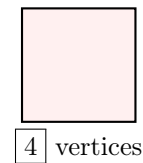
Ex 7: How many vertices does this shape have?



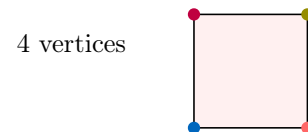
Answer: Count each point where two sides meet



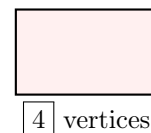
Ex 8: How many vertices does this shape have?



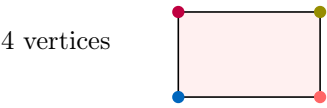
Answer: Count each point where two sides meet.



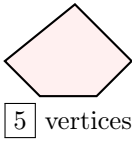
Ex 9: How many vertices does this shape have?



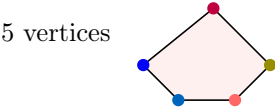
Answer: Count each point where two sides meet.



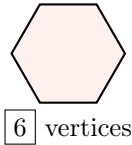
Ex 10: How many vertices does this shape have?



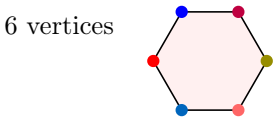
Answer: Count each point where two sides meet.



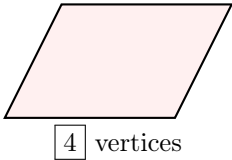
Ex 11: How many vertices does this shape have?



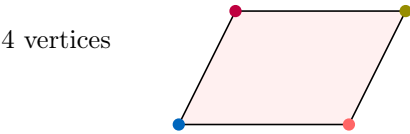
Answer: Count each point where two sides meet.



Ex 12: How many vertices does this shape have?



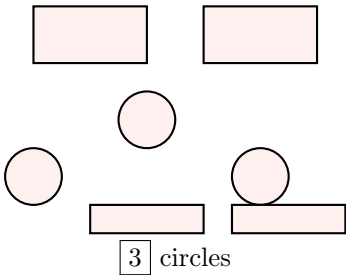
Answer: Count each point where two sides meet.



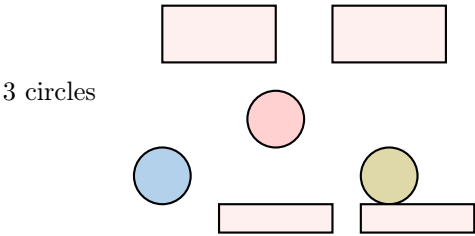
B CLASSIFICATION

B.1 FINDING THE SHAPES

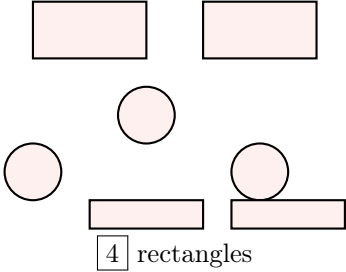
Ex 13: How many circles are in the picture?



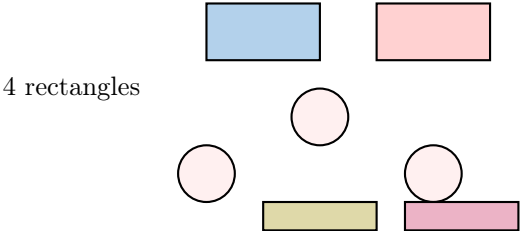
Answer: Count each round shape with no sides to find the number of circles.



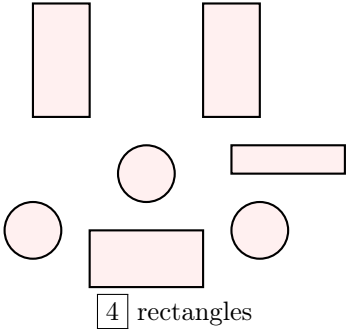
Ex 14: How many rectangles are in the picture?



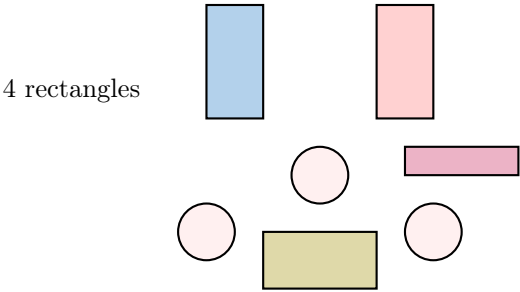
Answer: Count each shape with 4 sides and 4 vertices to find the number of rectangles.



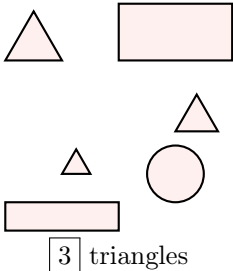
Ex 15: How many rectangles are in the picture?



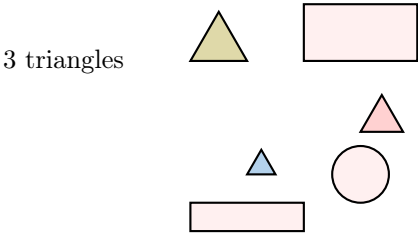
Answer: Count each shape with 4 sides and 4 vertices to find the number of rectangles.



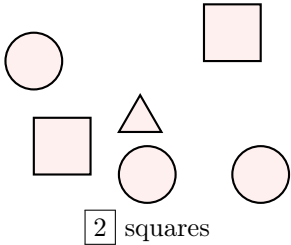
Ex 16: How many triangles are in the picture?



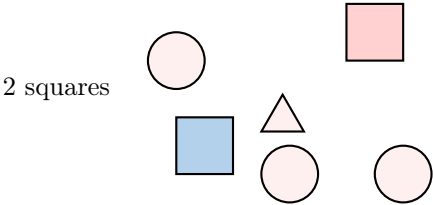
Answer: Count each shape with 3 sides and 3 vertices to find the number of triangles.



Ex 17: How many squares are in the picture?



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



B.2 FINDING THE SHAPES

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



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?

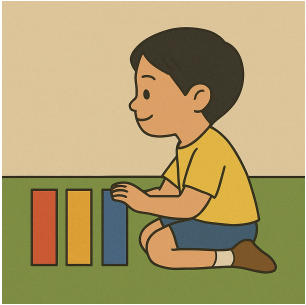


2 triangles

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?

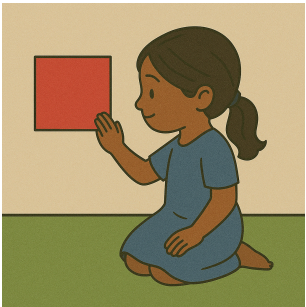


3 rectangles

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?



1 square

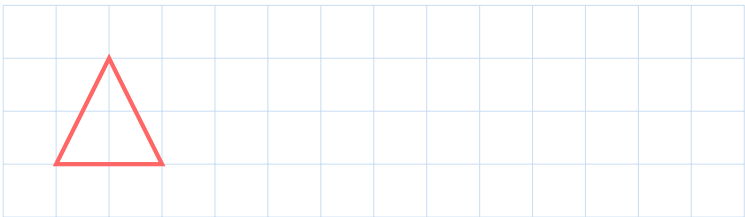
Answer: Squares are shapes with 4 equal sides and 4 vertices. The poster is a square because it has 4 sides that are all the same length.

1 square

C DRAWING SHAPES ON GRAPH PAPER

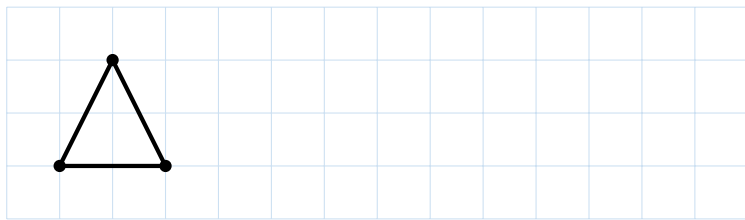
C.1 DRAWING SIMPLE SHAPES

Ex 22: Can you draw this triangle?



Answer: A triangle is a shape with 3 sides and 3 vertices. To draw a triangle like this one, use the grid. You can place it anywhere on the grid. First, put the vertices. Then use your ruler to draw the sides.

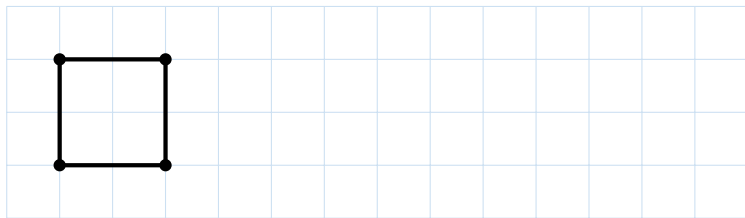




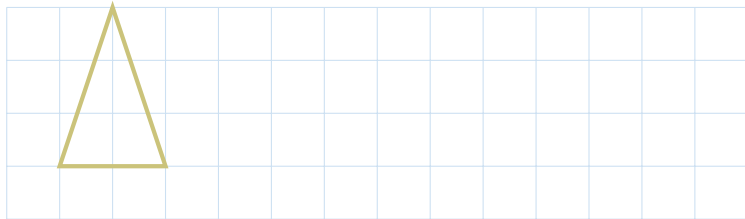
Ex 23: Can you draw this square?



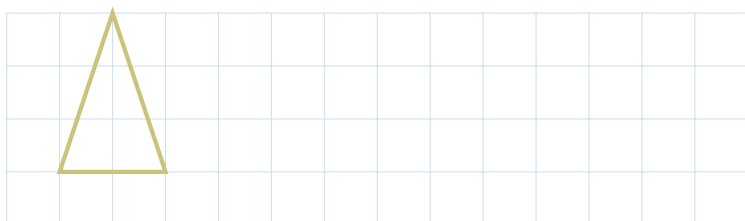
Answer: A square is a shape with 4 equal sides and 4 vertices. To draw a square like this one, use the grid. You can place it anywhere on the grid. First, put the vertices. Then use your ruler to draw the sides.



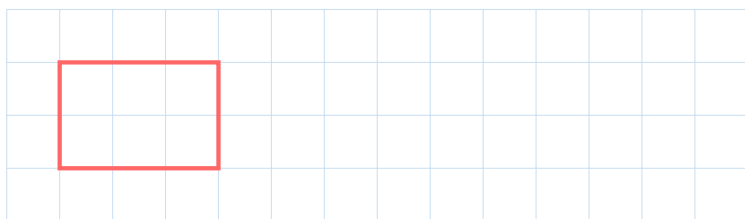
Ex 24: Can you draw this Christmas tree?



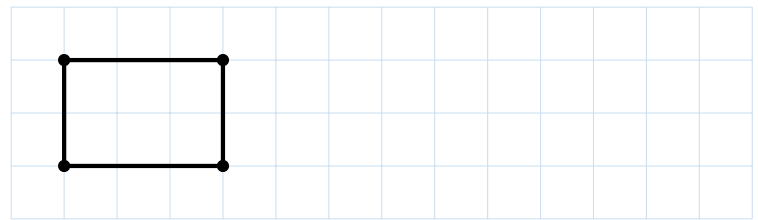
Answer: A Christmas tree is a green triangle with 3 sides and 3 vertices. To draw a Christmas tree like this one, use the grid. You can place it anywhere on the grid. First, put the vertices. Then use your ruler to draw the sides.



Ex 25: Can you draw this rectangle?

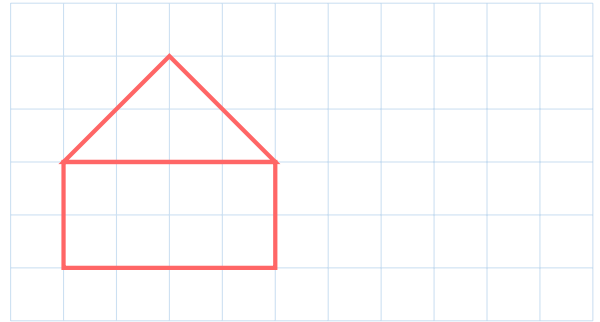


Answer: A rectangle is a shape with 4 sides and 4 vertices. To draw a rectangle like this one, use the grid. You can place it anywhere on the grid. First, put the vertices. Then use your ruler to draw the sides.

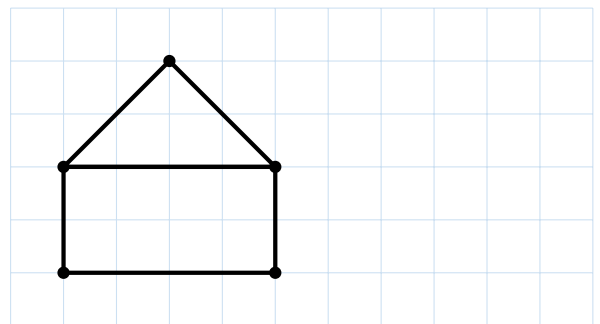


C.2 DRAWING COMPOSITE SHAPES

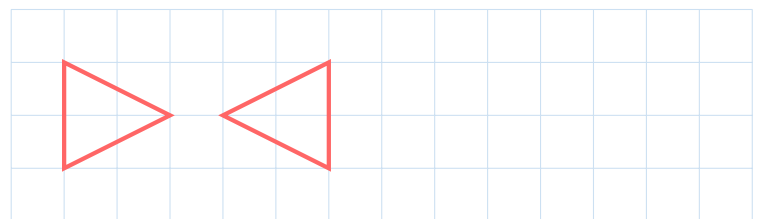
Ex 26: Can you draw a house like this one?



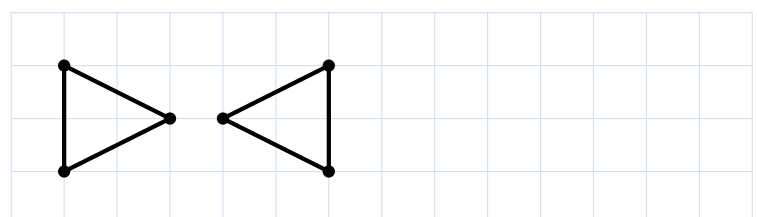
Answer: A house is a shape with a rectangle base and a triangle roof. To draw a house like this one, use the grid. You can place it anywhere on the grid. First, put the vertices. Then use your ruler to draw the sides.



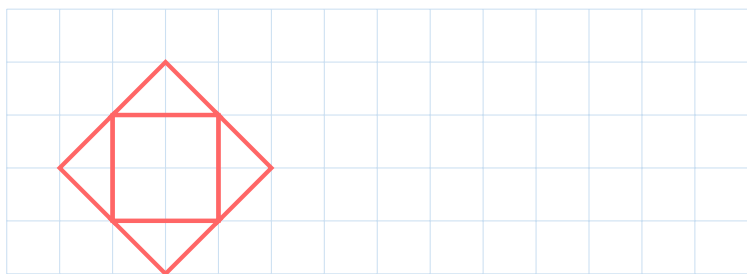
Ex 27: Can you draw these two triangles?



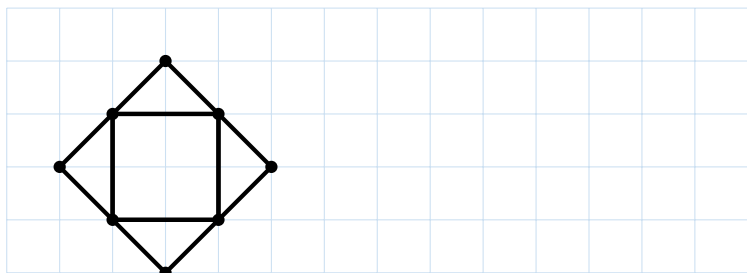
Answer: Two triangles are shapes with 3 sides and 3 vertices each. To draw two triangles like these, use the grid. You can place them anywhere on the grid. First, put the vertices. Then use your ruler to draw the sides.



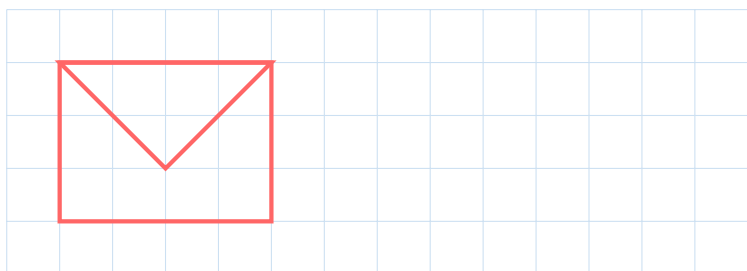
Ex 28: Can you draw this square with four triangles?



Answer: A square with four triangles is a shape with a central square and a triangle on each side. To draw a square with four triangles like this one, use the grid. You can place it anywhere on the grid. First, put the vertices. Then use your ruler to draw the sides.



Ex 29: Can you draw this envelope?



Answer: An envelope is a shape with a rectangle and a triangle inside it. To draw an envelope like this one, use the grid. You can place it anywhere on the grid. First, put the vertices. Then use your ruler to draw the sides.

