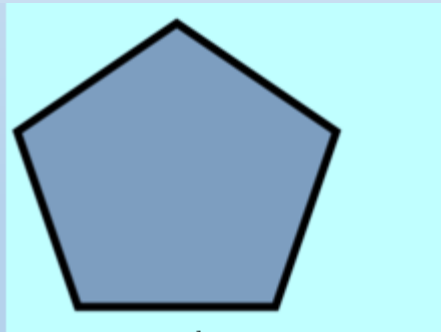# Maths – Monday 25th January

Retrieval practice:

Are all sides straight?
What other name might know a vertex as?
How many sides and vertices does this shape have?

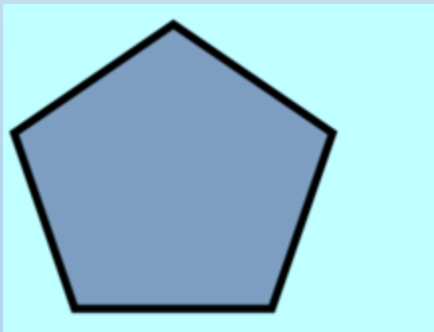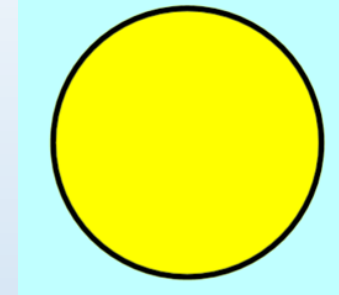# Retrieval practice:

Are all sides straight?
No. A circle is an example of a shape with a curved side.
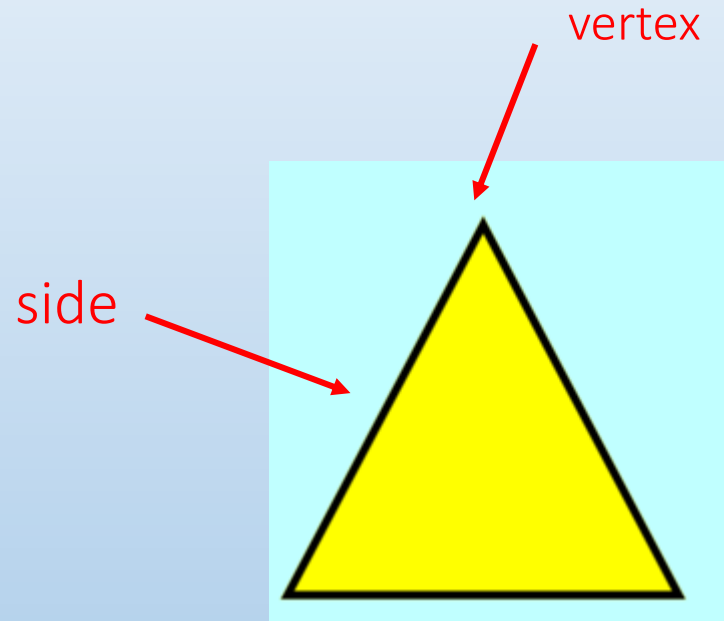
What other name might know a vertex as?
Corner

How many sides and vertices does this shape have?
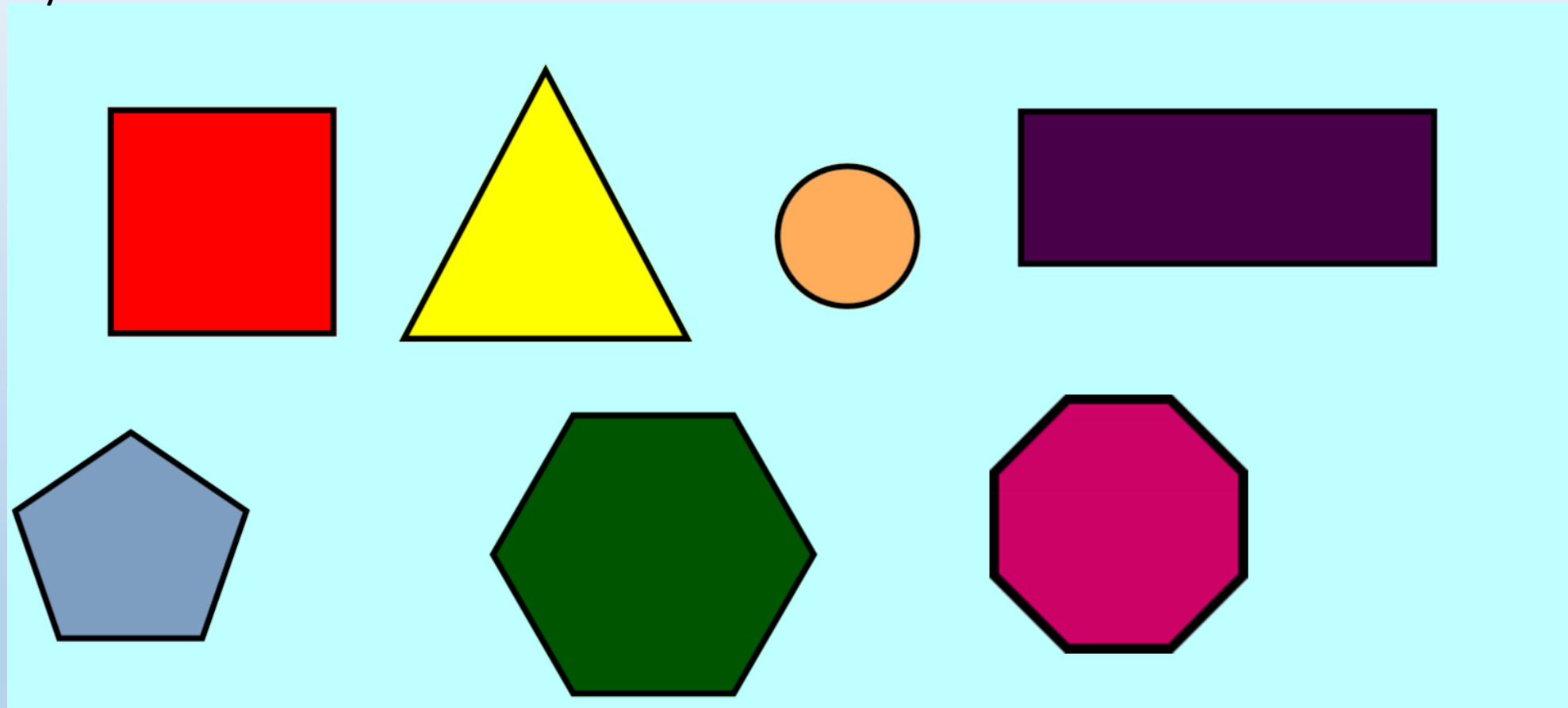5 sides and 5 vertices

Recap

vertex

A vertex is where 2 sides meet at a point. Often called a corner.
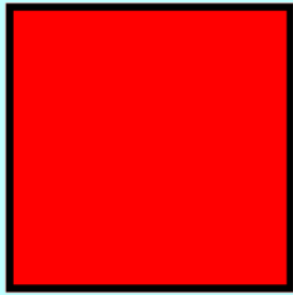
side

Sides can be straight or curved.
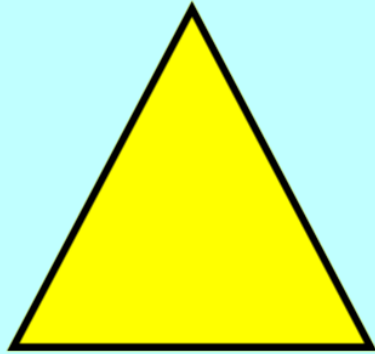
Here are our 2D shapes!
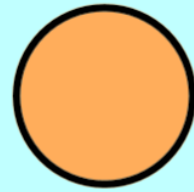
Can you name them?
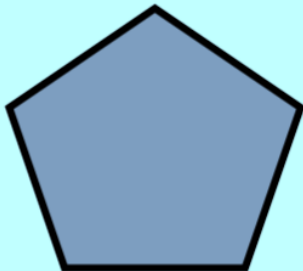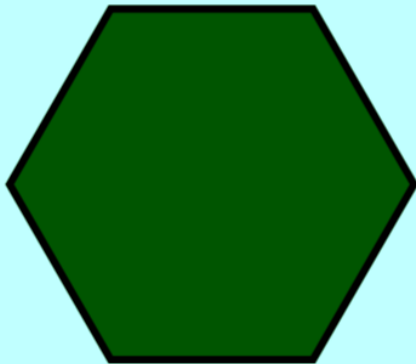
Here are our 2D shapes!
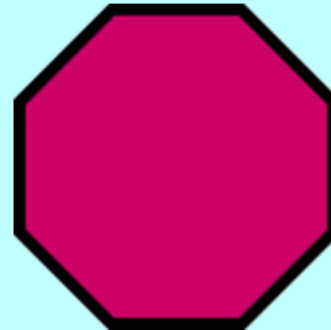
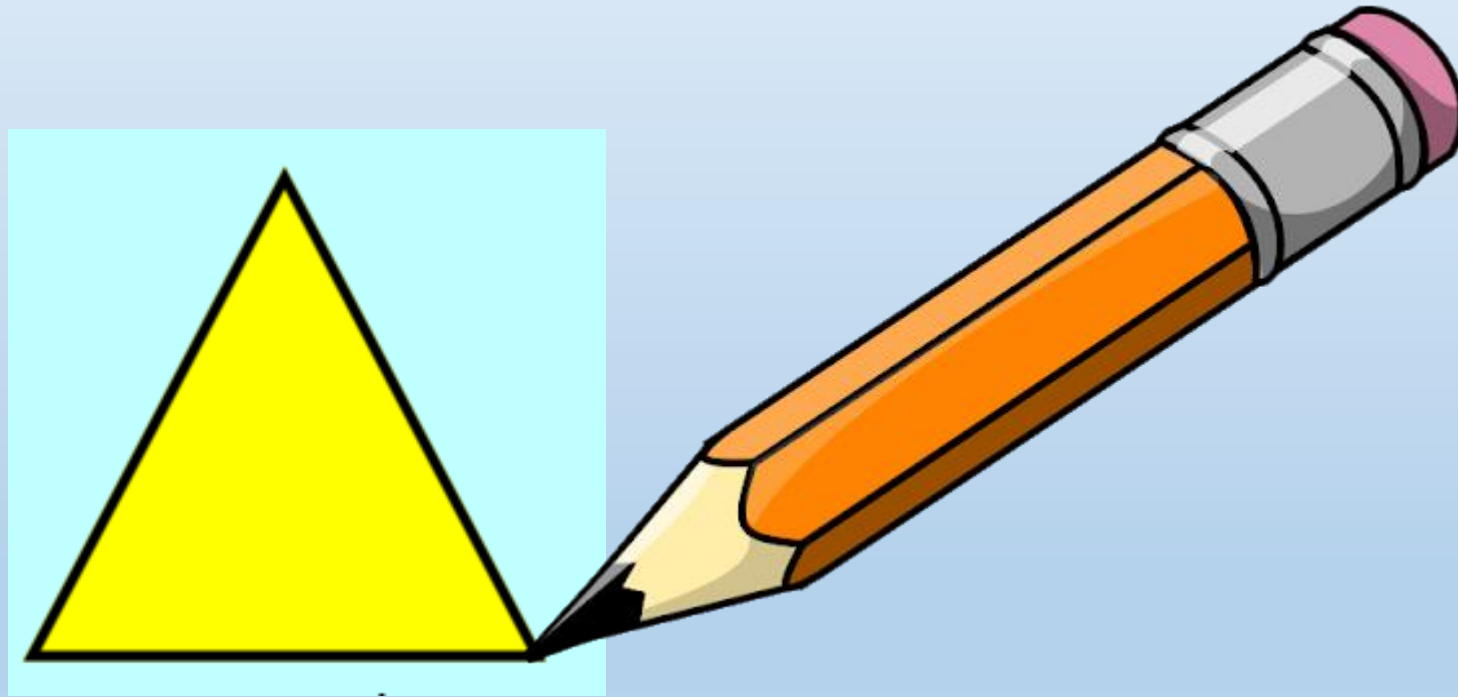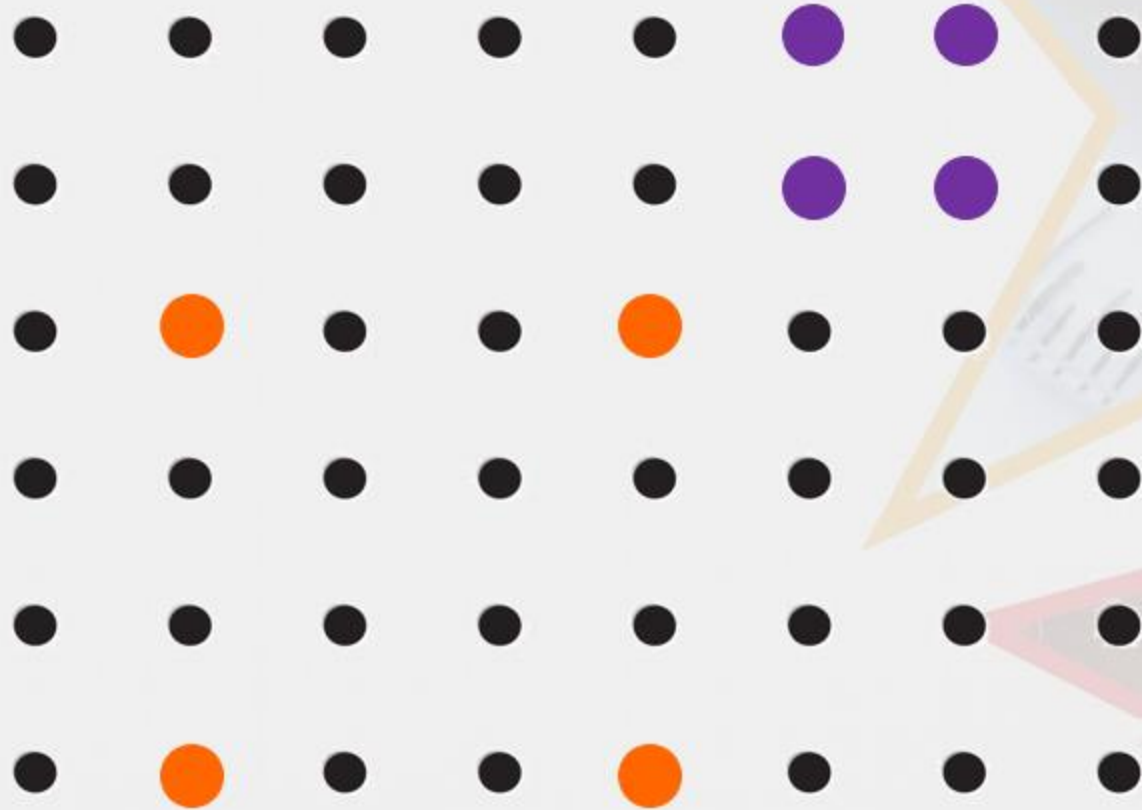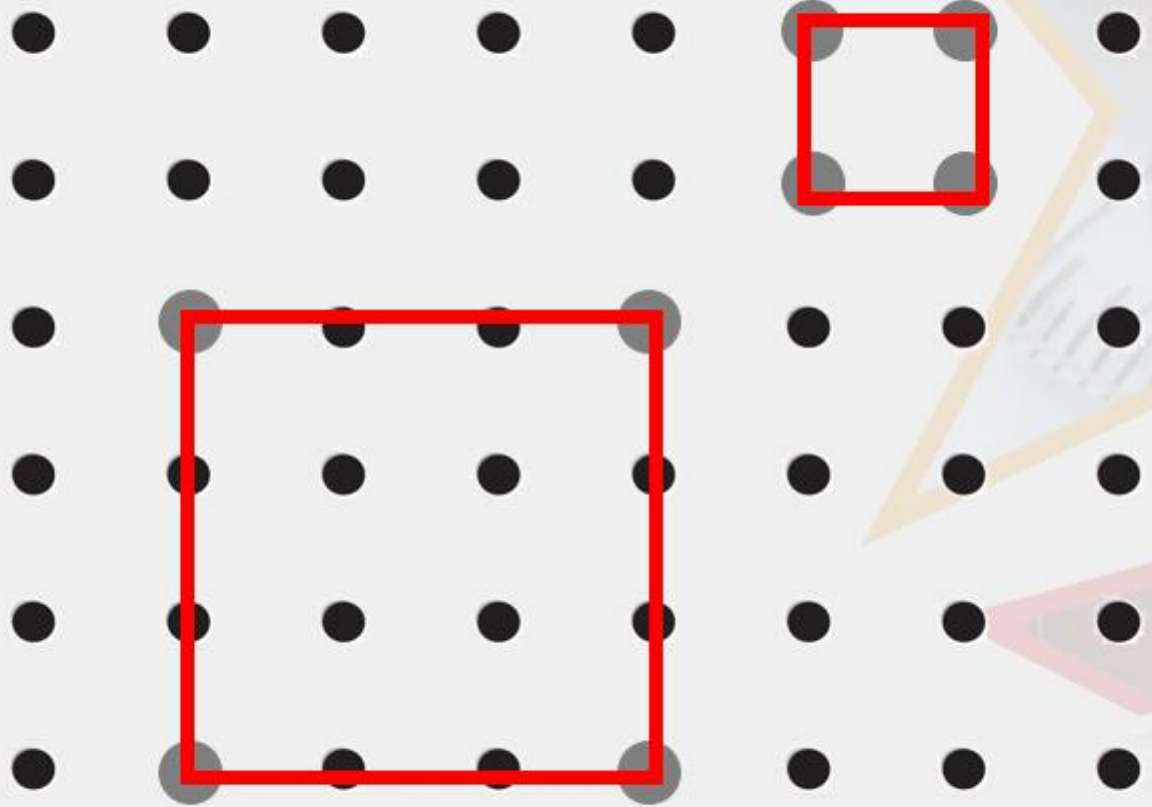Can you name them?

square

triangle

circle
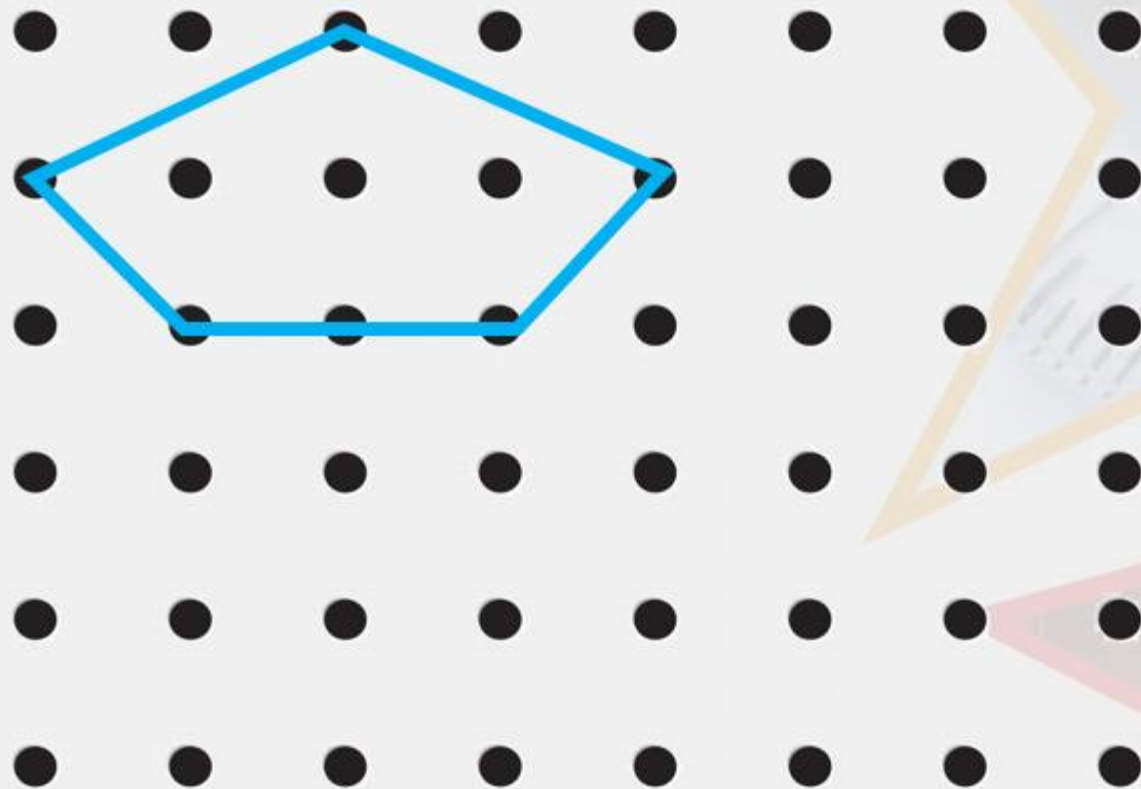
rectangle

pentagon

hexagon

octagon

WALT: Draw 2D shapes

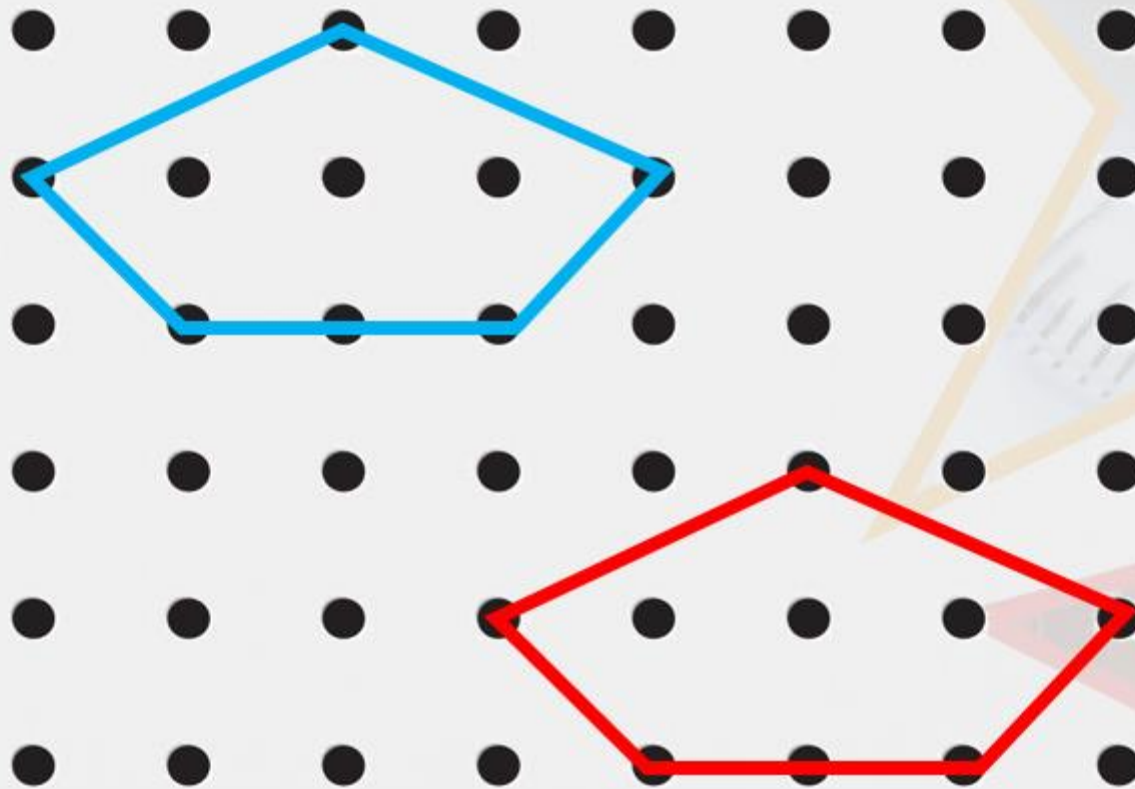Connect the points to draw two different squares.

Connect the points to draw two different squares.
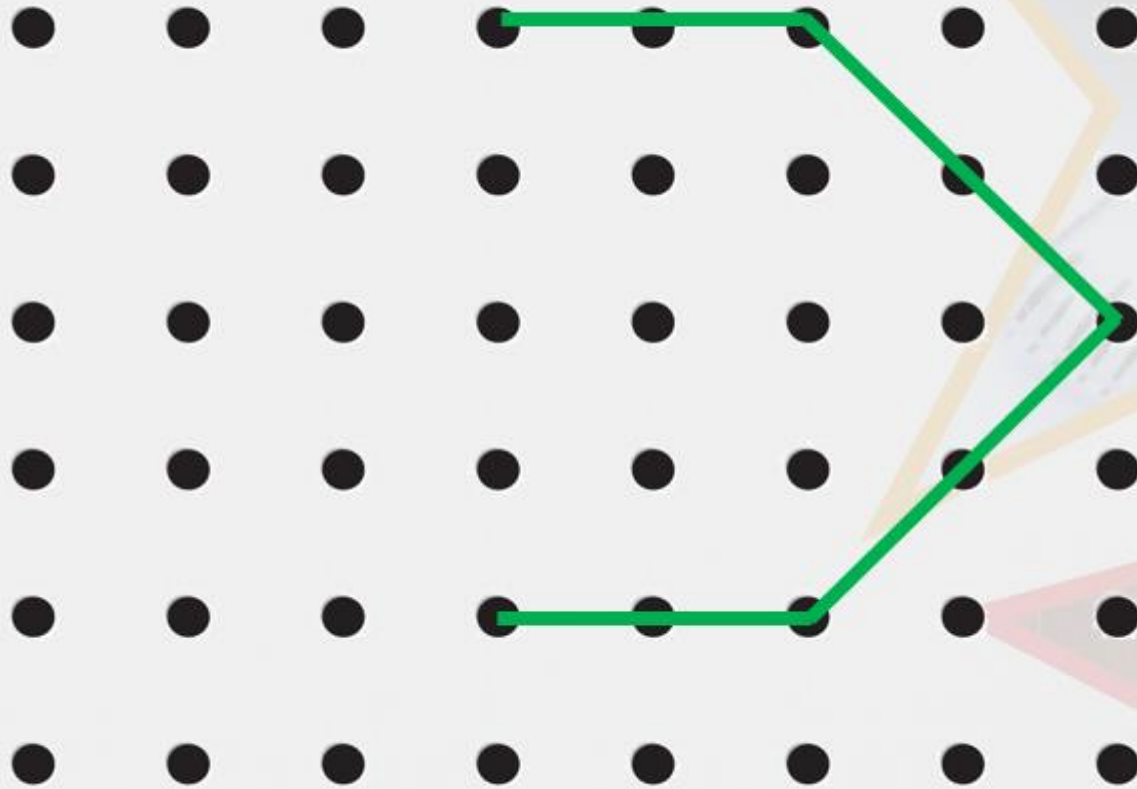
Copy and name the shape below.
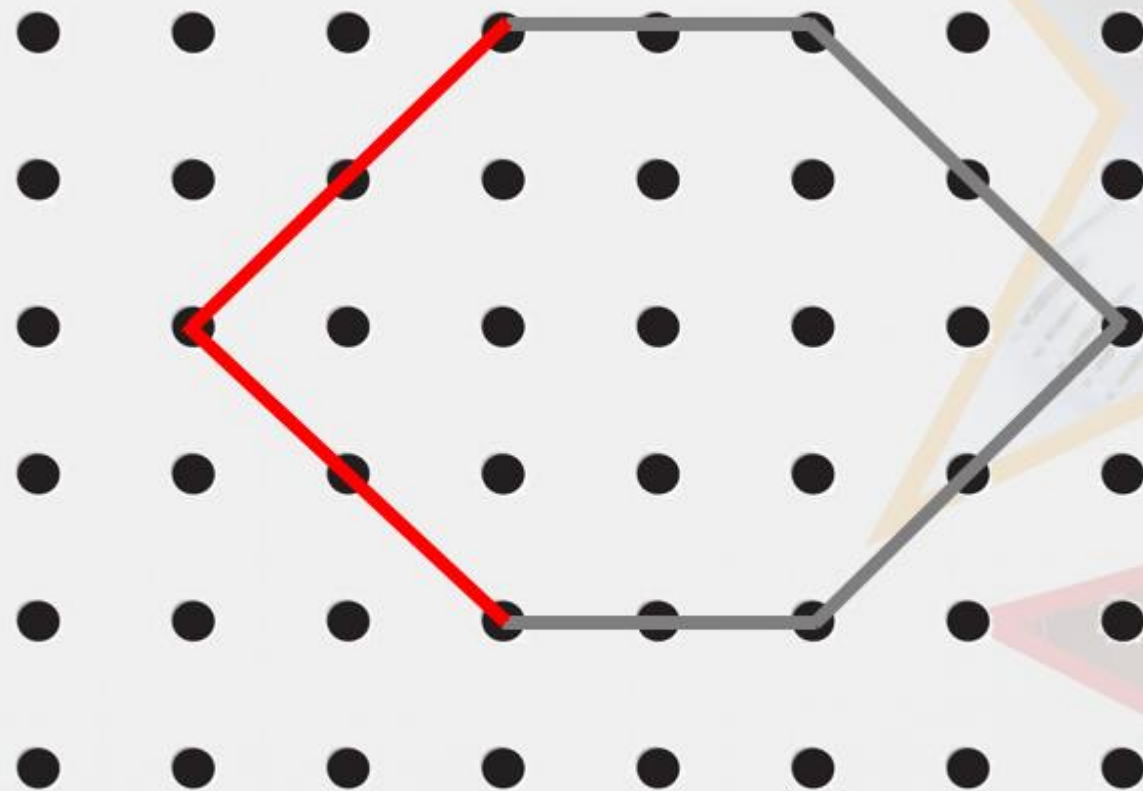
Copy and name the shape below.

pentagon

Sam is drawing a hexagon. Complete the shape.

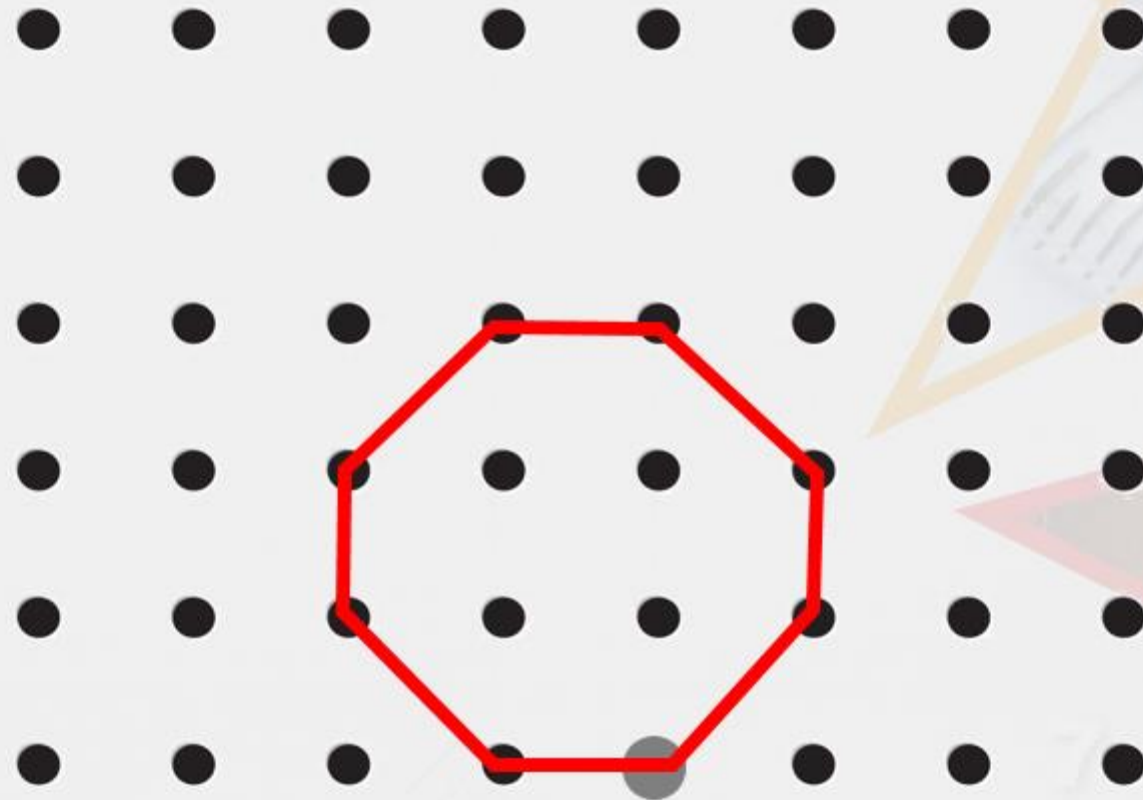# Sam is drawing a hexagon. Complete the shape.

Tianna is drawing an octagon starting at the dot. What could her finished shape look like?

Tianna is drawing an octagon starting at the dot. What could her finished shape look like?
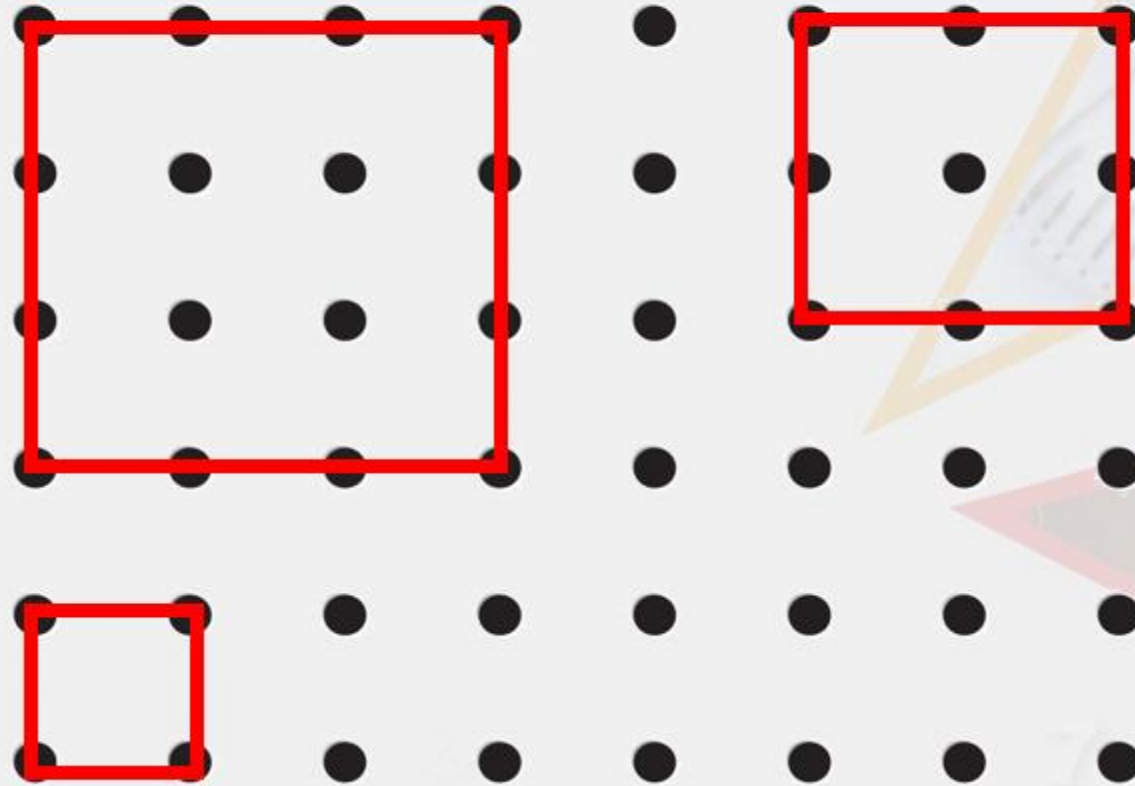
Various answers, for example:

Draw 3 different sized squares that do not touch.

Draw 3 different sizes squares that do not touch.
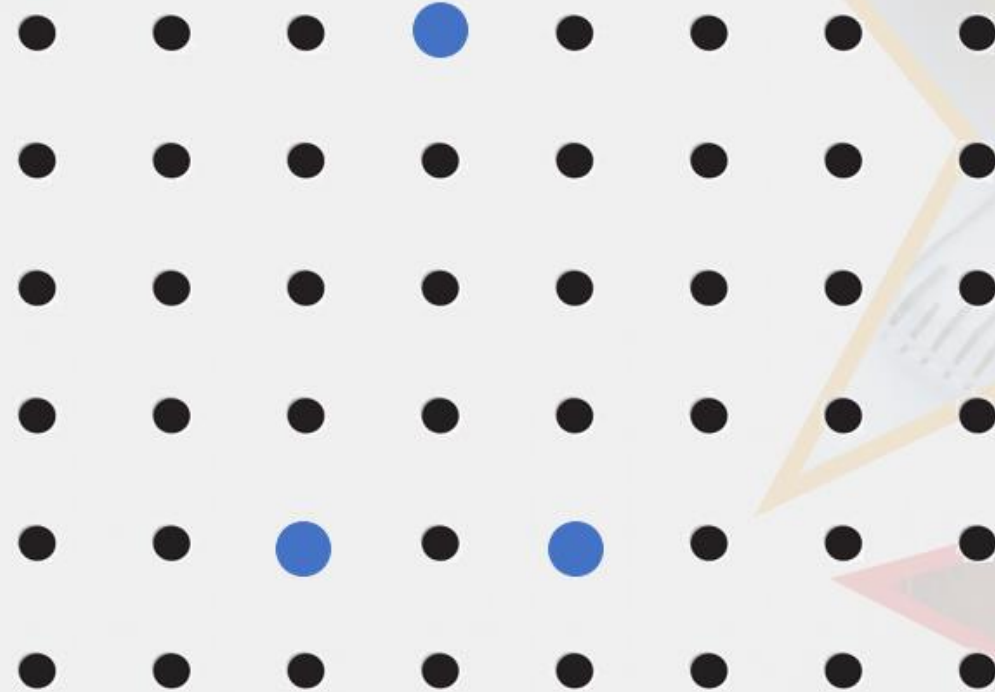
Various answers, for example:

Questions to consider

- Where are you going to start drawing the shape?

- In the middle of a side? At a vertex?

- Which is the most efficient way?

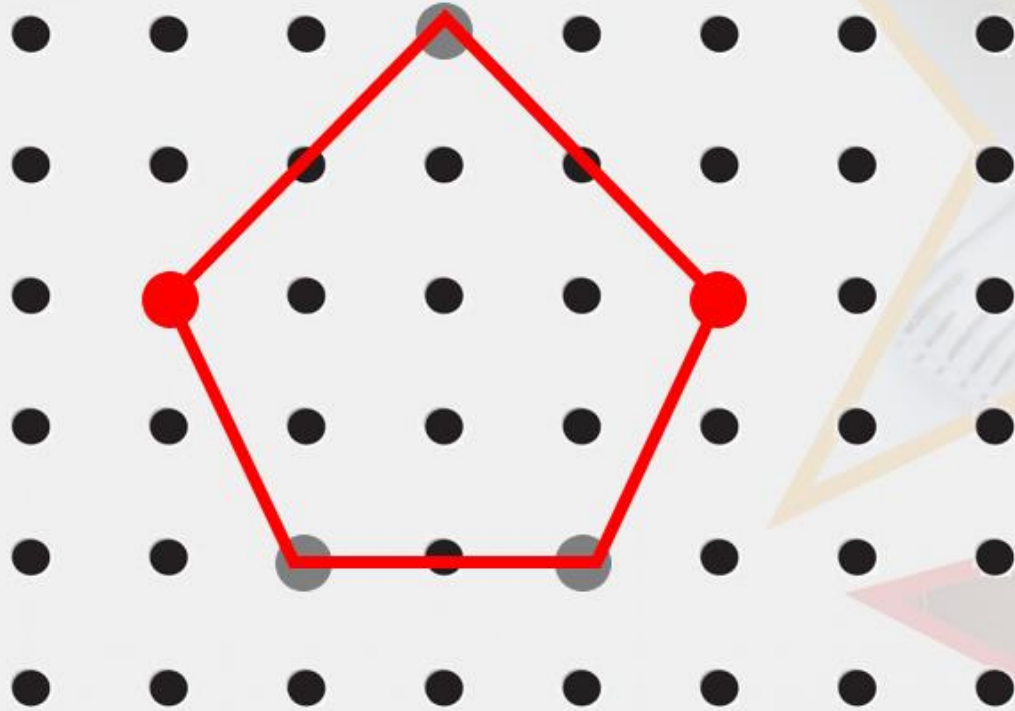- Why is it important to use a ruler?

One to discuss

Max says if he adds 2 more dots he can draw a pentagon.

Is he correct? Prove it.

One to discuss

Max says if he adds 2 more dots he can draw a pentagon.
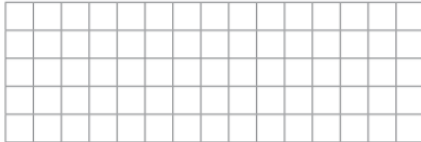
Is he correct? Prove it.

Max is correct. Various answers, for example: If he adds 2 more dots it will create a shape with 5 vertices (pentagon).
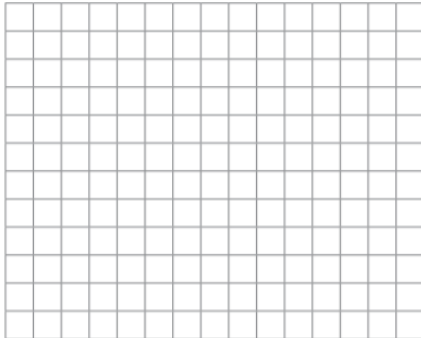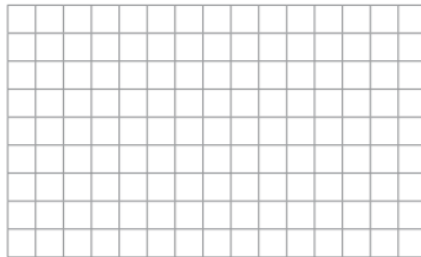
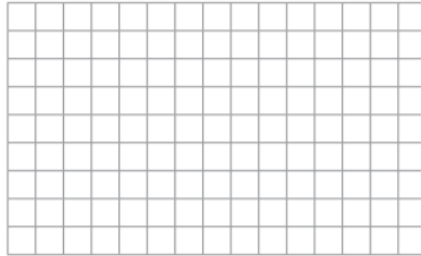# Your task today

Draw 2D shapes

1. Draw two different squares.

2. Draw three different rectangles.

3. Draw three different triangles.

4. Draw three different hexagons.

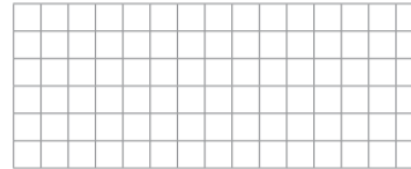5. Compare all the shapes you have drawn with a partner. What differences can you see?

6 Annie is drawing a 2D shape.

My shape has 5 vertices.

Draw Annie's shape.

Is there more than one answer?

7 Teddy has drawn a 2D shape.

He has spilt ink on his drawing.

What could Teddy's shape be? _____

What shape can it **not** be? _____
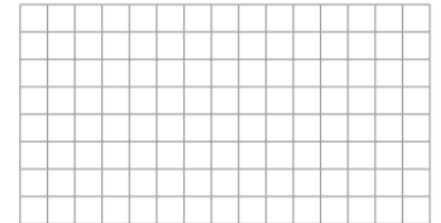
How do you know?

8

I have drawn a triangle.

Do you agree with Whitney? _____

Why?

9 Follow the instructions.

Draw your answer on the squared grid.

- Draw a rectangle in the centre of the grid.
- Draw a square inside the rectangle.
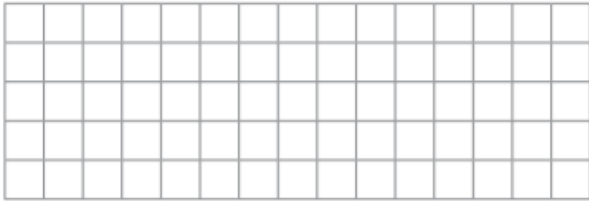- Draw a hexagon below the rectangle.
- Draw a triangle above the rectangle.

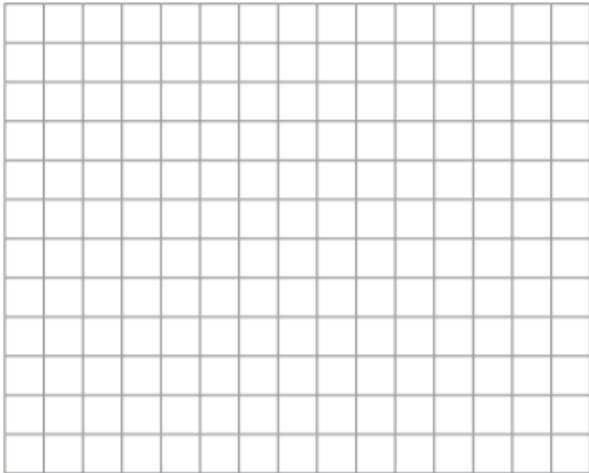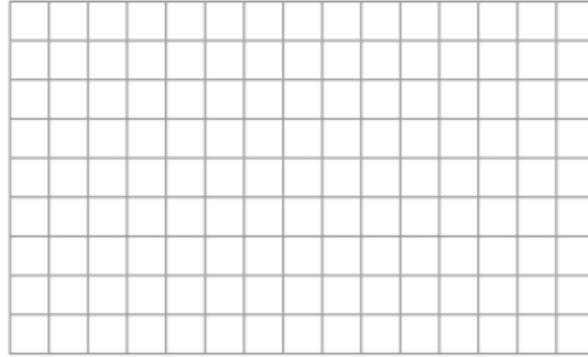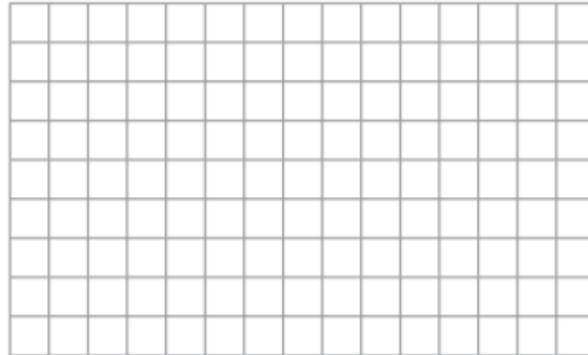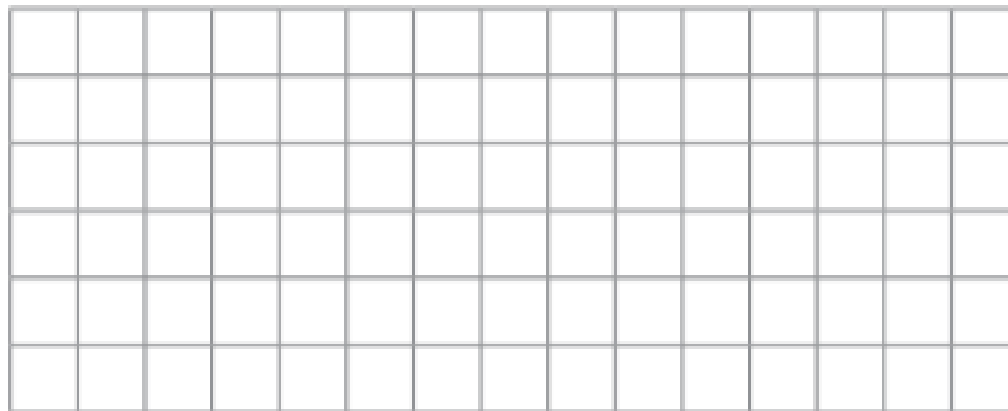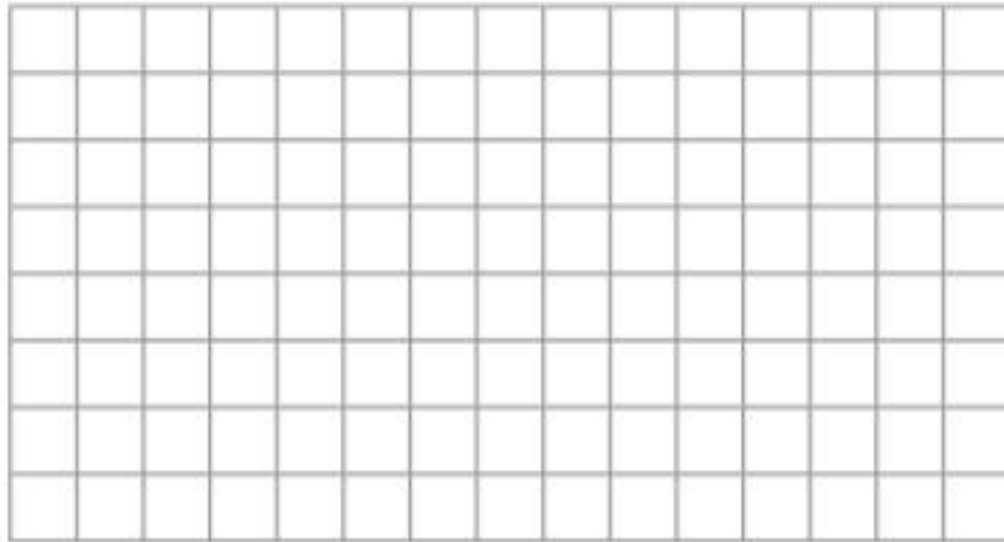Make up some instructions like this for a partner.