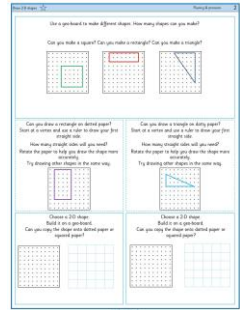


★ Geometry – Draw 2-D shapes

Children apply their knowledge of properties of shape by drawing 2D shapes. They start by making shapes on geoboards. On this sheet, they have the images to help them create the shapes.

They use a ruler to draw the shapes on dotted or squared paper either in their books or on the sheet.

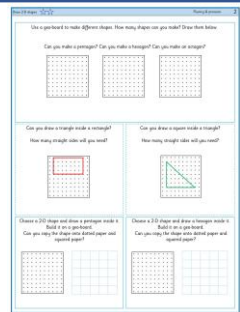
masterthecurriculum.co.uk



★★ Geometry – Draw 2-D shapes

Children apply their knowledge of properties of shape by drawing 2D shapes. They start by making shapes on geoboards. On this sheet, they draw shapes within a shape and write the amount of sides they will need. They use a ruler to draw the shapes on dotted or squared paper either in their books or on the sheet.

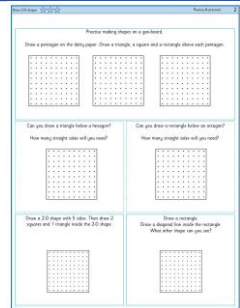
masterthecurriculum.co.uk



★★★ Geometry – Draw 2-D shapes

On this sheet, children follow instructions to draw more than one shape.

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Reasoning & Problem Solving

Geometry – Draw 2-D shapes

Children practise reasoning skills by drawing shapes and discussing what is the same and what is different.

Draw 2-D shapes

How many different triangles can you draw?

What's the same about the triangles?

What's different?

Has your friend made any different triangles?

Reasoning & Problem Solving

What shape could be hiding under the split paint?

Draw a large hexagon.

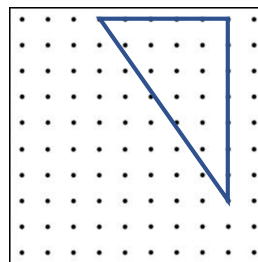
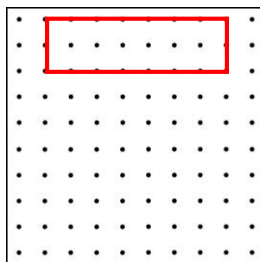
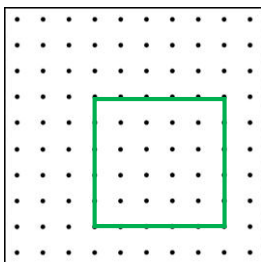
Draw a triangle inside the hexagon.

Draw a pentagon below the hexagon.



Use a geoboard to make different shapes. How many shapes can you make?

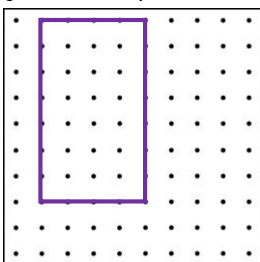
Can you make a square? Can you make a rectangle? Can you make a triangle?



Can you draw a rectangle on the dotted paper?
Start at a vertex and use a ruler to draw your first straight side.

How many straight sides will you need?
Rotate the paper to help you draw the shape more accurately.

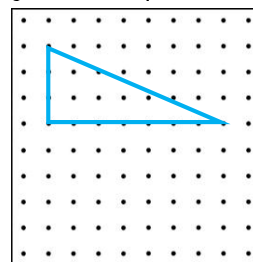
Try drawing other shapes in the same way.



Can you draw a triangle on the dotted paper?
Start at a vertex and use a ruler to draw your first straight side.

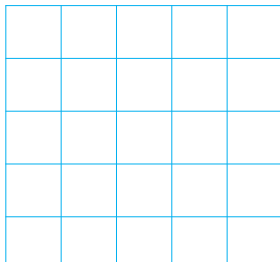
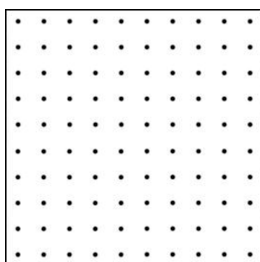
How many straight sides will you need?
Rotate the paper to help you draw the shape more accurately.

Try drawing other shapes in the same way.



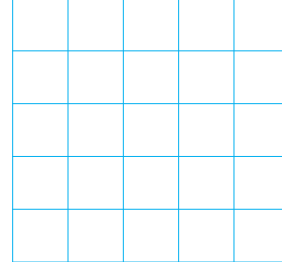
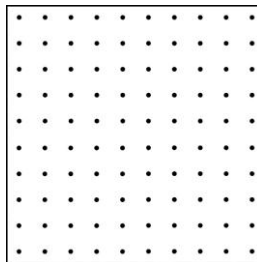
Choose a 2D shape.
Build it on a geoboard.

Can you copy the shape onto the dotted paper or squared paper?



Choose a 2D shape.
Build it on a geoboard.

Can you copy the shape onto the dotted paper or squared paper?

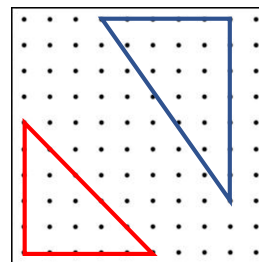
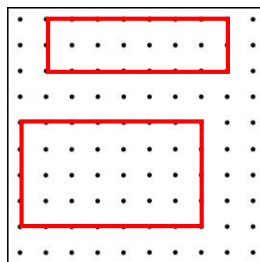
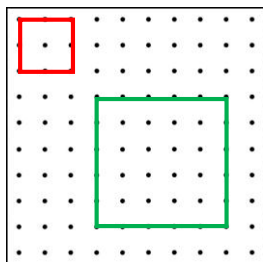




Use a geoboard to make different shapes. How many shapes can you make?

Answers vary. Children show the shapes they make.

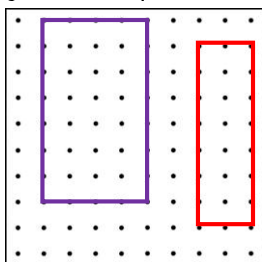
Can you make a square? Can you make a rectangle? Can you make a triangle?



Can you draw a rectangle on the dotted paper?
Start at a vertex and use a ruler to draw your first straight side.

How many straight sides will you need?
Rotate the paper to help you draw the shape more accurately.

Try drawing other shapes in the same way.

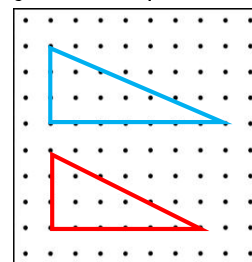


4 sides

Can you draw a rectangle on the dotted paper?
Start at a vertex and use a ruler to draw your first straight side.

How many straight sides will you need?
Rotate the paper to help you draw the shape more accurately.

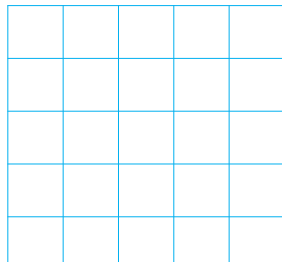
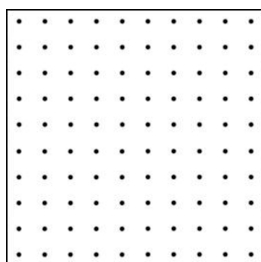
Try drawing other shapes in the same way.



3 sides

Choose a 2D shape.
Build it on a geoboard.

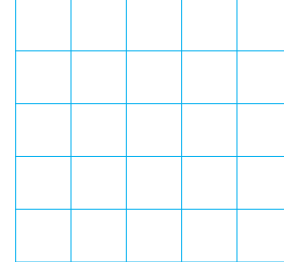
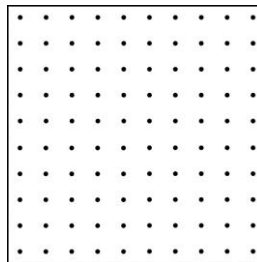
Can you copy the shape onto the dotted paper or squared paper?



Answer could be any 2D shape.

Choose a 2D shape.
Build it on a geoboard.

Can you copy the shape onto the dotted paper or squared paper?

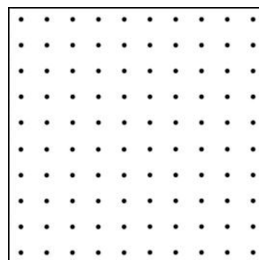
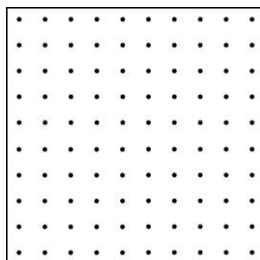
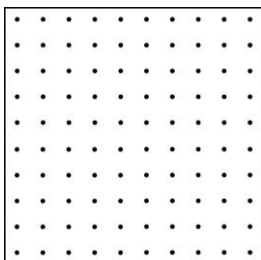


Answer could be any 2D shape.



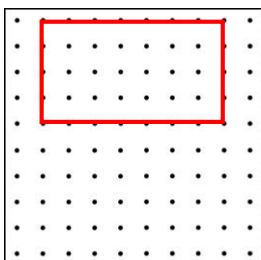
Use a geoboard to make different shapes. How many shapes can you make? Draw them below.

Can you make a pentagon? Can you make a hexagon? Can you make an octagon?



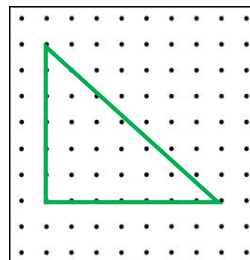
Can you draw a triangle inside a rectangle?

How many straight sides will you need?

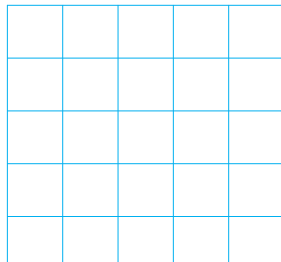
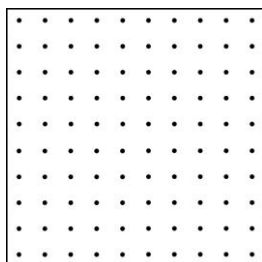


Can you draw a square inside a triangle?

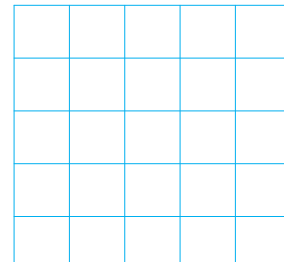
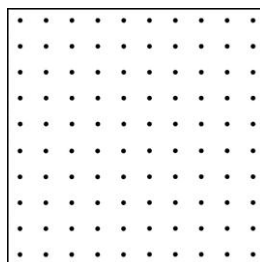
How many straight sides will you need?



Choose a 2D shape and draw a pentagon inside it.
Build it on a geoboard.
Can you copy the shape onto the dotted paper and squared paper?



Choose a 2D shape and draw a hexagon inside it.
Build it on a geoboard.
Can you copy the shape onto the dotted paper and squared paper?

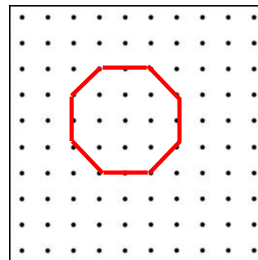
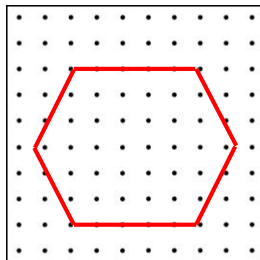
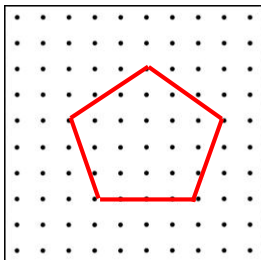




Use a geoboard to make different shapes. How many shapes can you make? Draw them below.

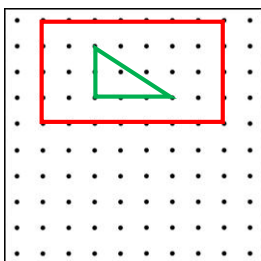
Answers vary. Children show the shapes they make.

Can you make a pentagon? Can you make a hexagon? Can you make an octagon?



Can you draw a triangle inside a rectangle?

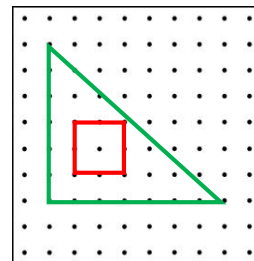
How many straight sides will you need?



3 sides

Can you draw a square inside a triangle?

How many straight sides will you need?

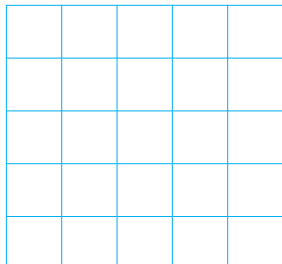
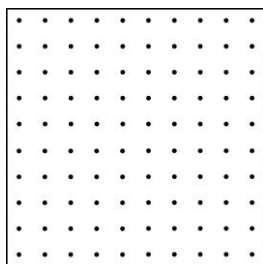


4 sides

Choose a 2D shape and draw a pentagon inside it.

Build it on a geoboard.

Can you copy the shape onto the dotted paper and squared paper?

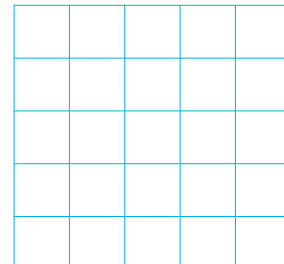
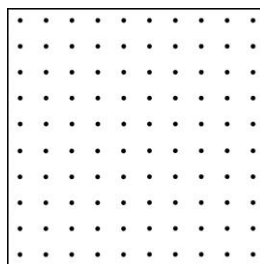


The answer could be any 2D shape with a pentagon inside.

Choose a 2D shape and draw a hexagon inside it.

Build it on a geoboard.

Can you copy the shape onto the dotted paper and squared paper?

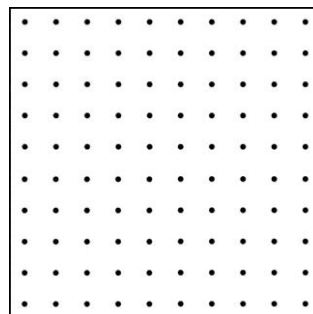
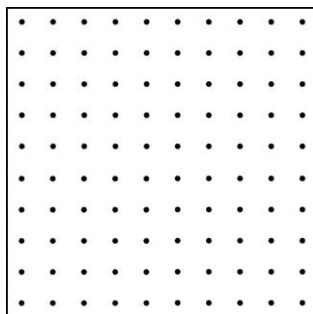
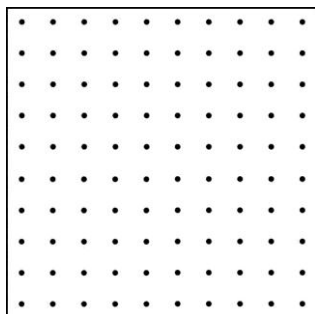


The answer could be any 2D shape with a hexagon inside.



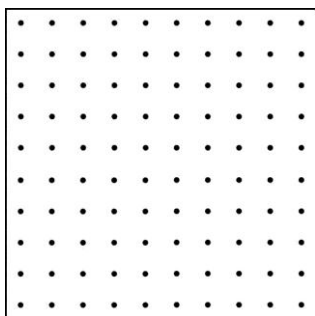
Practise making shapes on a geoboard.

Draw a pentagon on the dotted paper. Draw a triangle, a square and a rectangle above each pentagon.



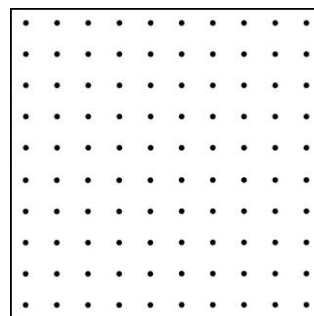
Can you draw a triangle below a hexagon?

How many straight sides will you need?

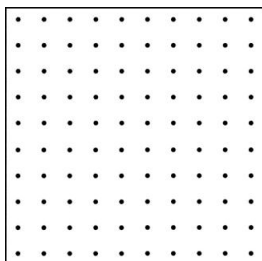


Can you draw a rectangle below an octagon?

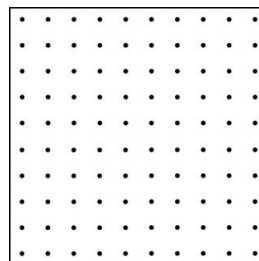
How many straight sides will you need?



Draw a 2D shape with 5 sides. Then draw 2 squares and 1 triangle inside the 2D shape.



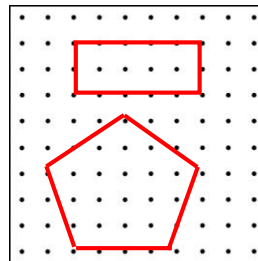
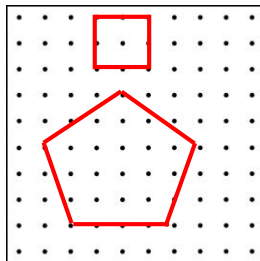
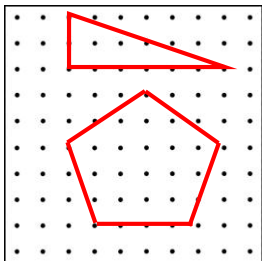
Draw a rectangle.
Draw a diagonal line inside the rectangle.
What other shape can you see?





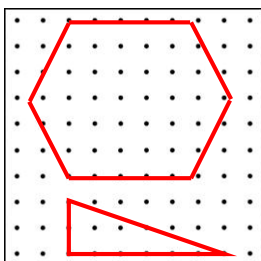
Practise making shapes on a geoboard.

Draw a pentagon on the dotted paper. Draw a triangle, a square and a rectangle above each pentagon.



Can you draw a triangle below a hexagon?

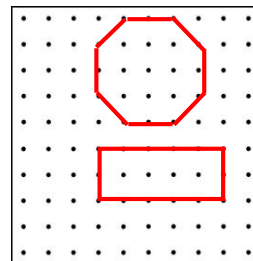
How many straight sides will you need?



9 sides

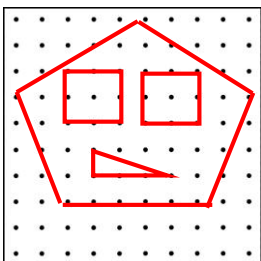
Can you draw a rectangle below an octagon?

How many straight sides will you need?

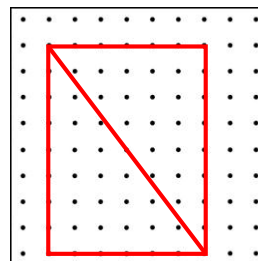


12 sides

Draw a 2D shape with 5 sides. Then draw 2 squares and 1 triangle inside the 2D shape.



Draw a rectangle.
Draw a diagonal line inside the rectangle.
What other shape can you see?

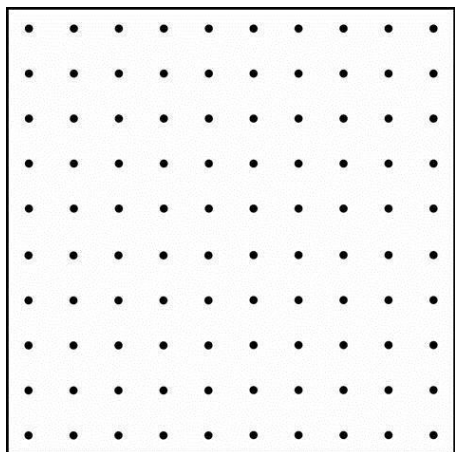


2 triangles

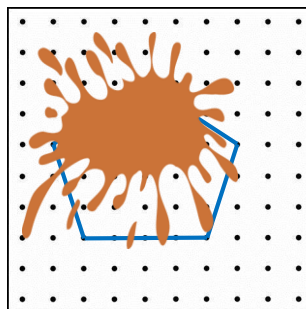
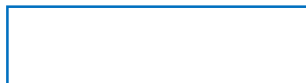
How many different triangles can you draw?

What's the same about the triangles?
What's different?

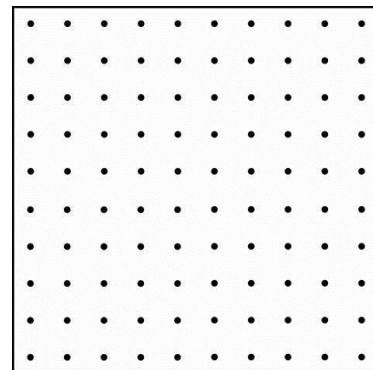
Has your friend made any different triangles?



What shape could be hiding under the split paint?



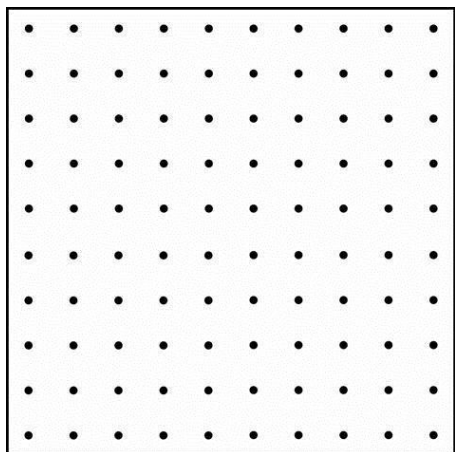
- Draw a large hexagon.
- Draw a triangle inside the hexagon.
- Draw a pentagon below the hexagon.



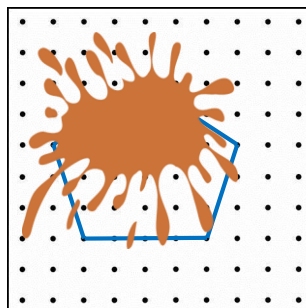
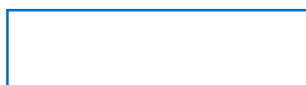
How many different triangles can you draw?

What's the same about the triangles?
What's different?

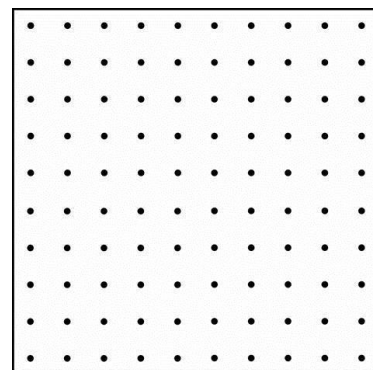
Has your friend made any different triangles?



What shape could be hiding under the split paint?



- Draw a large hexagon.
- Draw a triangle inside the hexagon.
- Draw a pentagon below the hexagon.

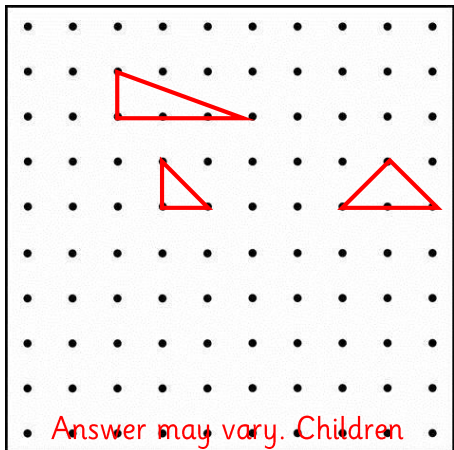


How many different triangles can you draw?

What's the same about the triangles?

What's different?

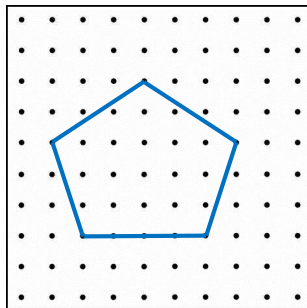
Has your friend made any different triangles?



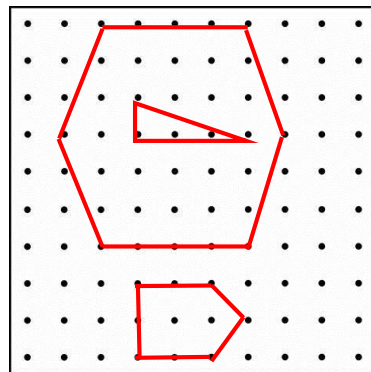
Answer may vary. Children may have drawn different shapes of triangles.

What shape could be hiding under the split paint?

Pentagon



- Draw a large hexagon.
- Draw a triangle inside the hexagon.
- Draw a pentagon below the hexagon.

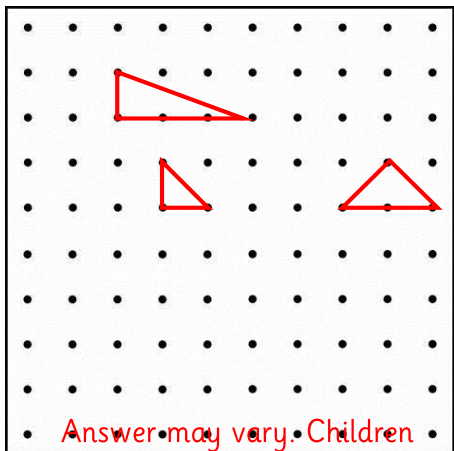


How many different triangles can you draw?

What's the same about the triangles?

What's different?

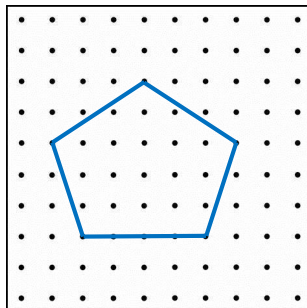
Has your friend made any different triangles?



Answer may vary. Children may have drawn different shapes of triangles.

What shape could be hiding under the split paint?

Pentagon



- Draw a large hexagon.
- Draw a triangle inside the hexagon.
- Draw a pentagon below the hexagon.

