Maths

Properties of Shapes

Need a coherently planned sequence of lessons to complement this resource?

See our Properties of Shapes Steps to Progression document.

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Make 2D Shape Pictures

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Aim

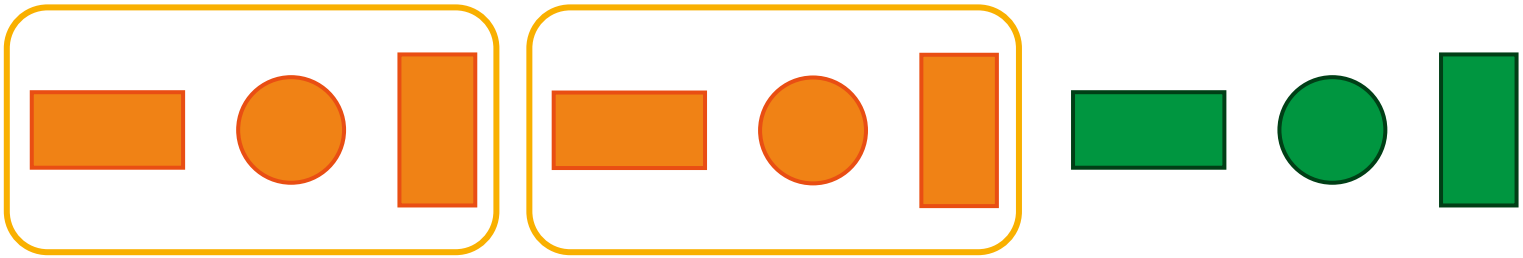
- To investigate 2D shape pictures.

Success Criteria

- I can make pictures using 2D shapes.
- I can copy a picture using 2D shapes.
- I can name the 2D shapes that I use.

Remember It

Can you continue this pattern?



What strategies could help?

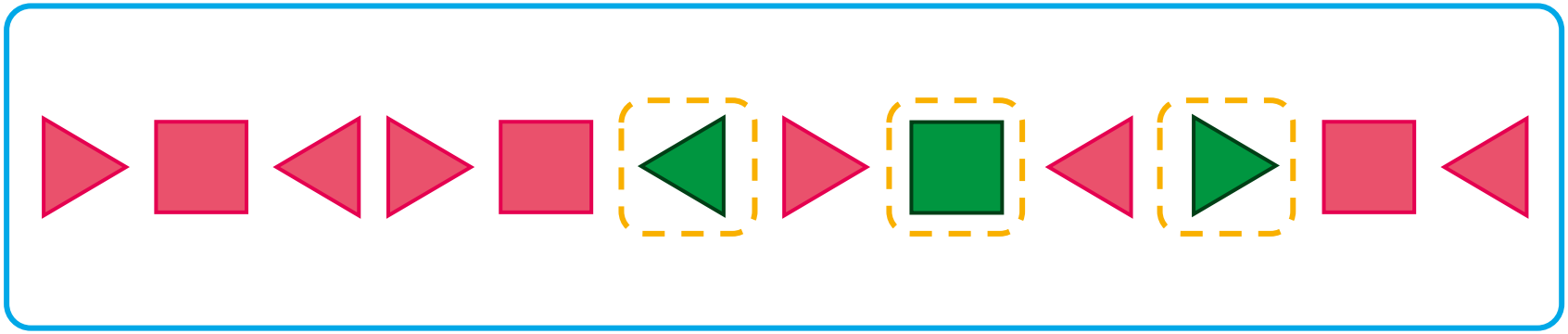
Say the pattern.

Find the core.

Which strategy worked for you?

Remember It

Which shapes are missing from the pattern?



What can you do to find out?

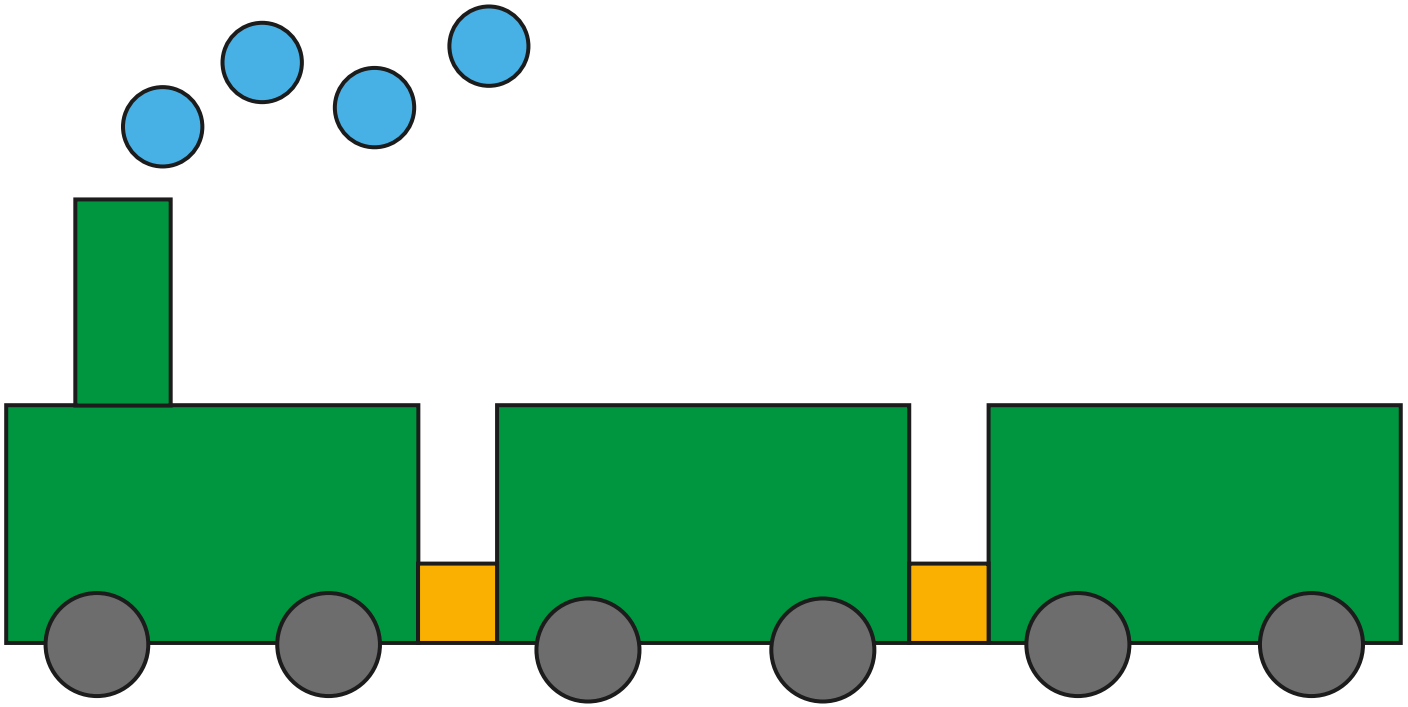
Say the pattern.

Find the core.

2D Shape Pictures

What shapes can you see?

What picture do you think the shapes will make?

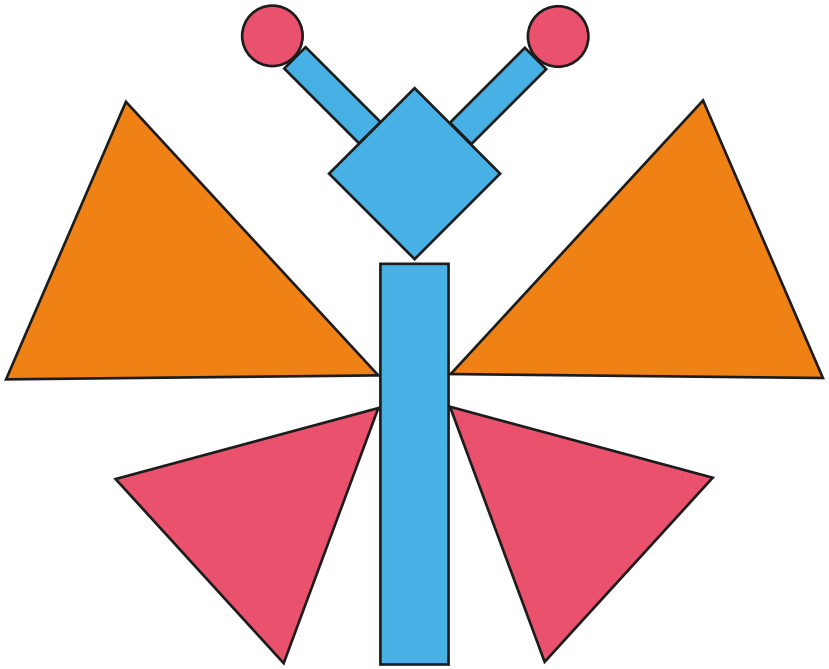


A train.

2D Shape Pictures

What shapes can you see?

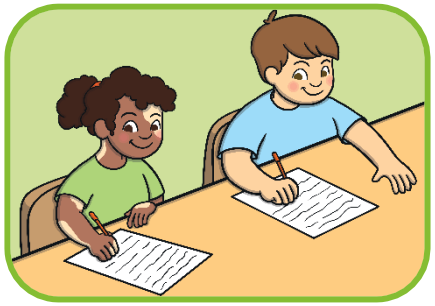
What picture do you think the shapes will make?



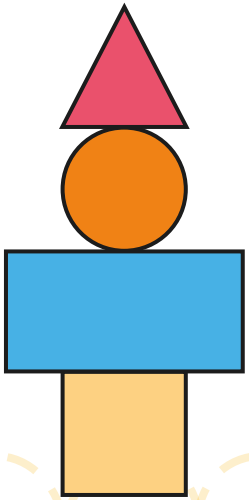
A butterfly.

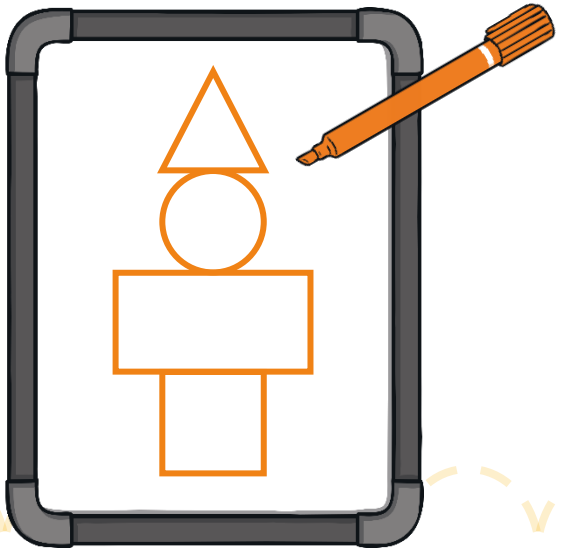
Make It

These learning partners are making 2D shape pictures.



They can use 2D shapes or draw shapes on a whiteboard.

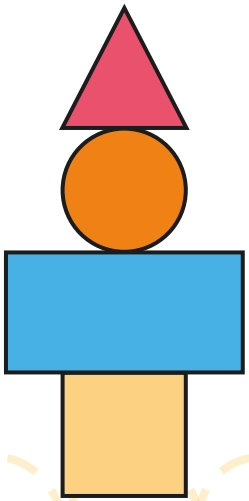


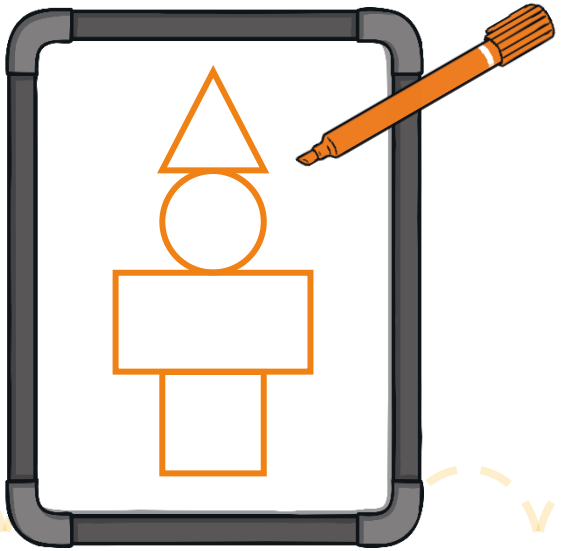


Make It

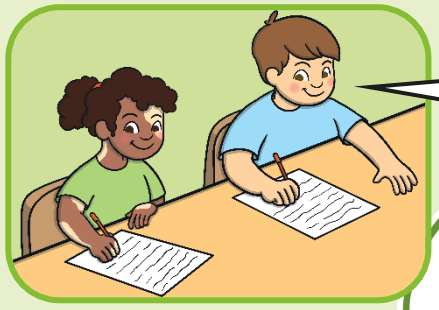
First, they think of a picture to make.

Then they take turns to place shapes until the picture is complete.

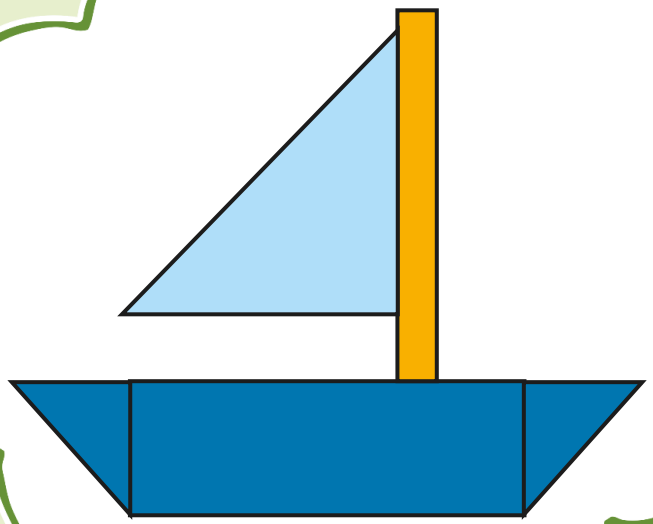




Make It



We made a boat.



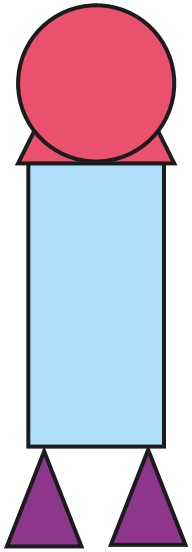
Which shapes did they use?

What picture did they make?

What could they do to improve it?

Make It

We made a rocket.



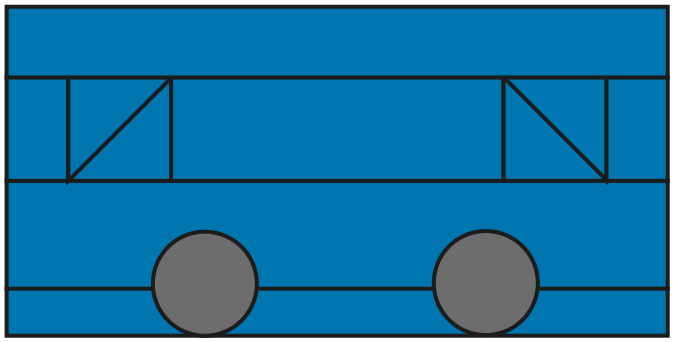
Which shapes did they use?

What picture did they make?

What could they do to improve it?

Make It

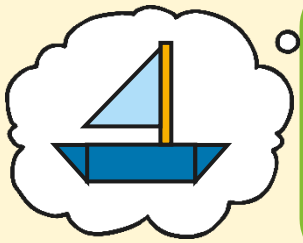
We made a car.

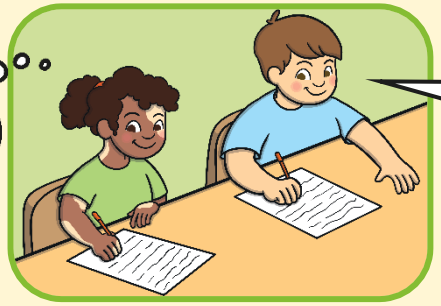


What picture did they make?

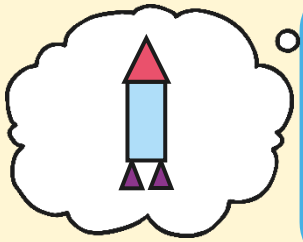
What could they do to improve it?

What have we learnt?

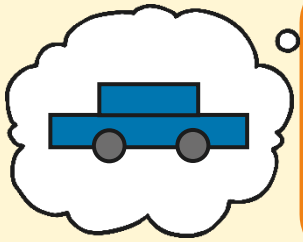




Choose the shapes carefully.



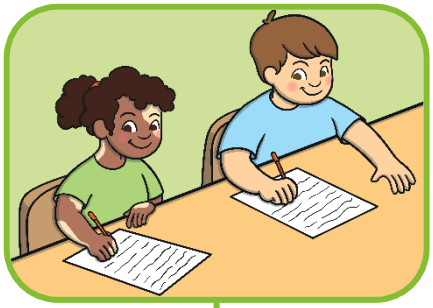
Use enough shapes to make a clear picture.



Keep it simple.
Don't use too many shapes.

Make It

Now it's your turn!

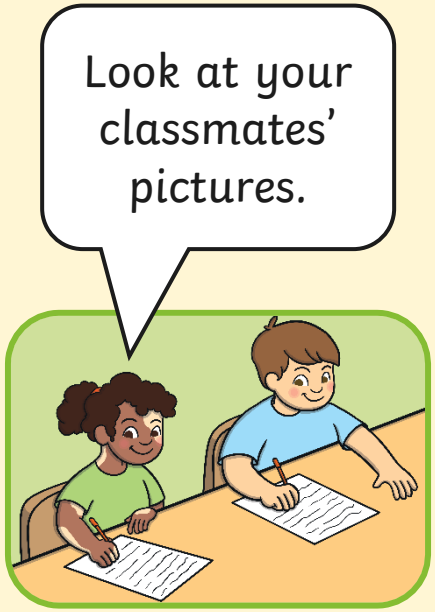


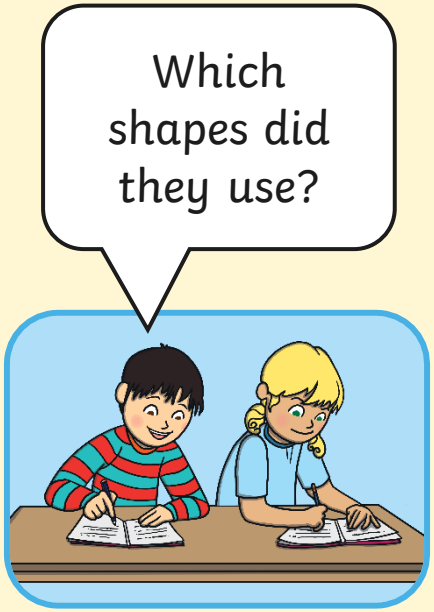
Choose a picture.

Decide which shapes you will use.

Take turns to place shapes until the picture is complete.

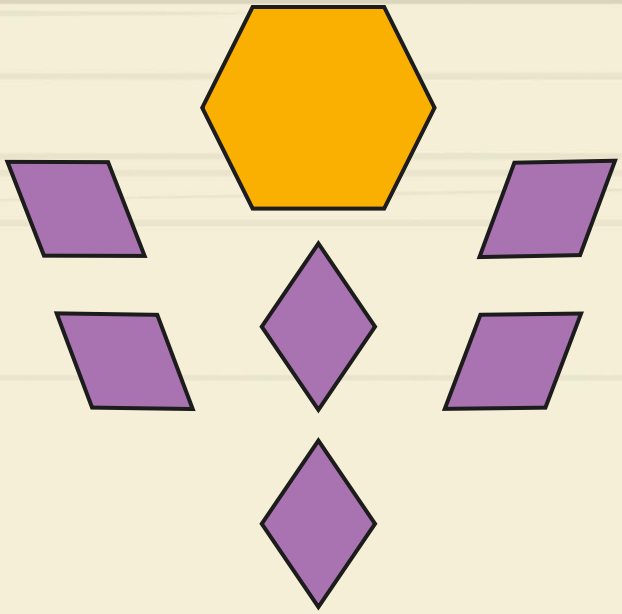
Make It

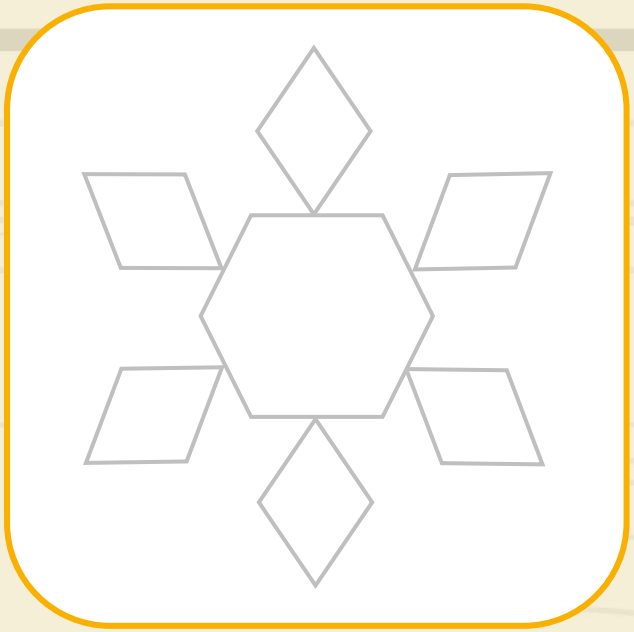




Pattern Block Pictures

Use pattern blocks to make the picture.



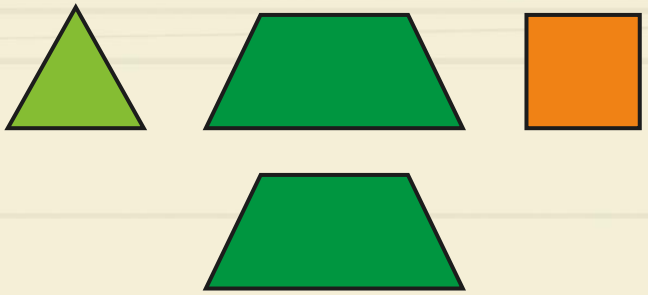


What picture have we made?

A flower.

Pattern Block Pictures

Use pattern blocks to make the picture.

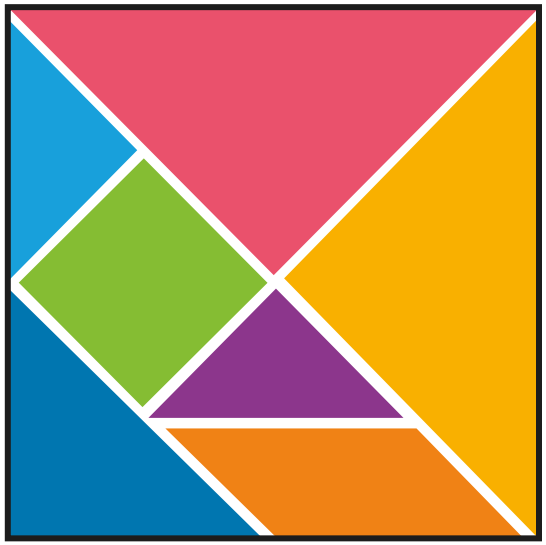


What picture have we made?

A tree.

Tangrams

A tangram is puzzle made from these shapes.



5 triangles

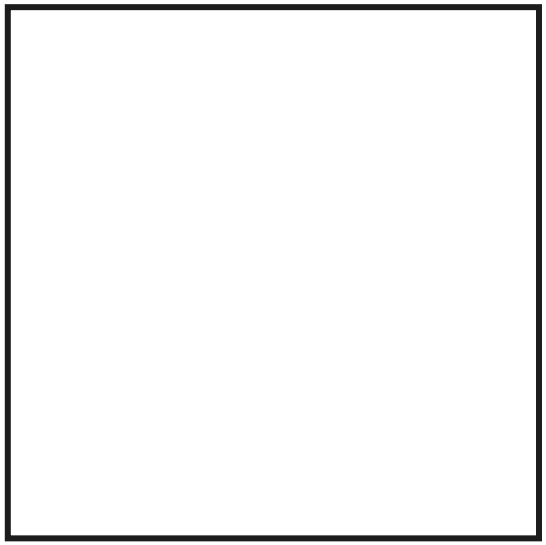
1 square

1 parallelogram

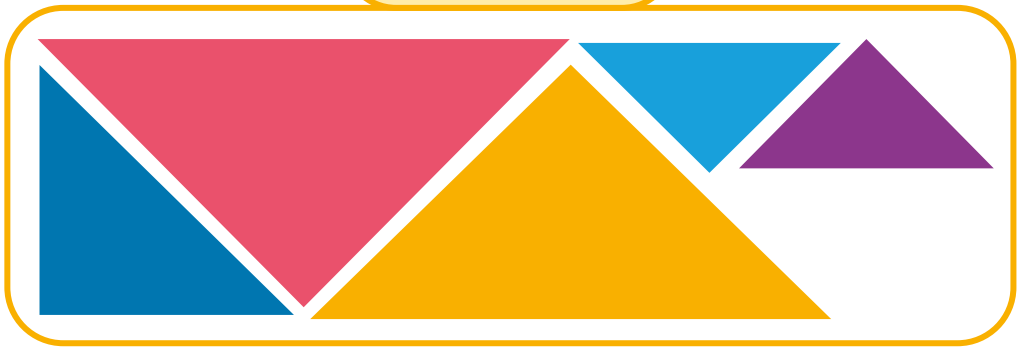
What shapes can you see?

Tangrams

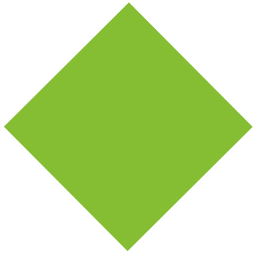
Can you fit the shapes back in the frame?



5 triangles



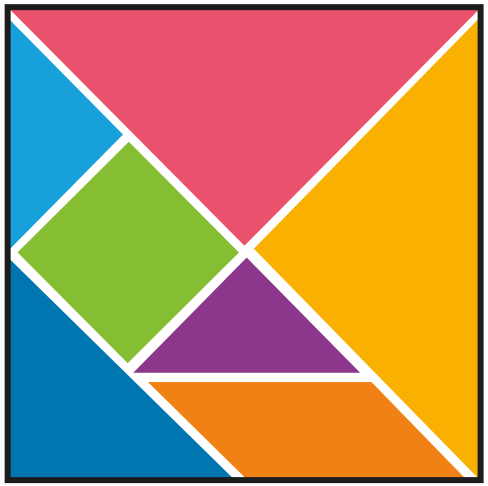
1 square



1 parallelogram

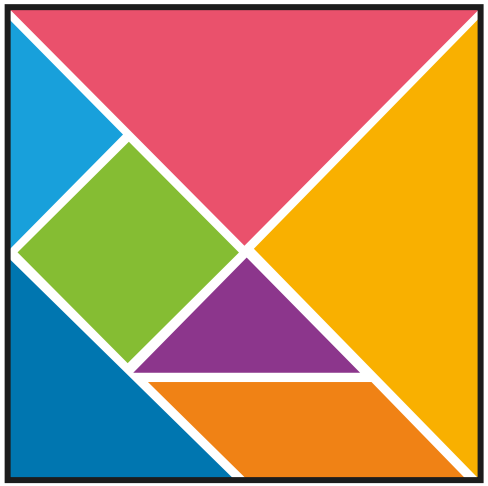
Where will you put each shape?

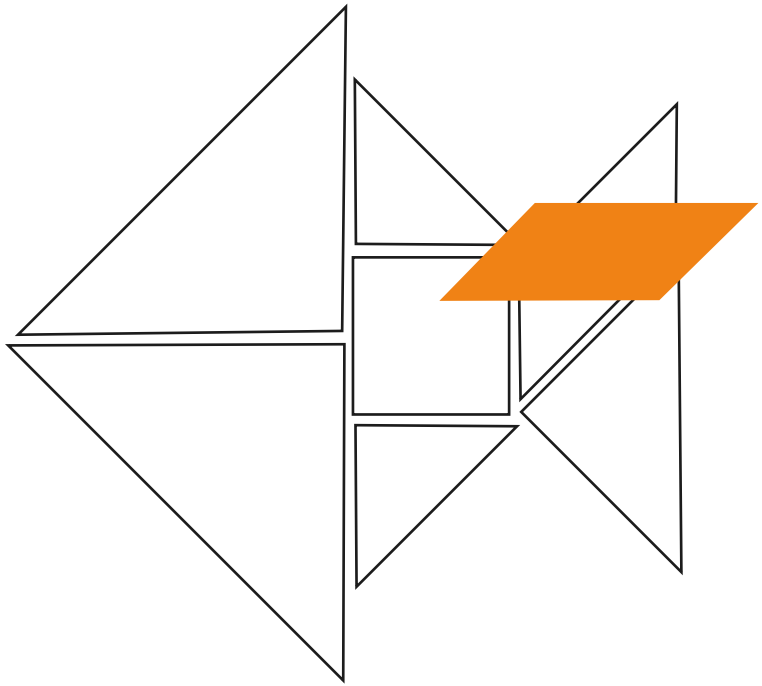
You can us**What can you see?**ee pictures.



A cat.

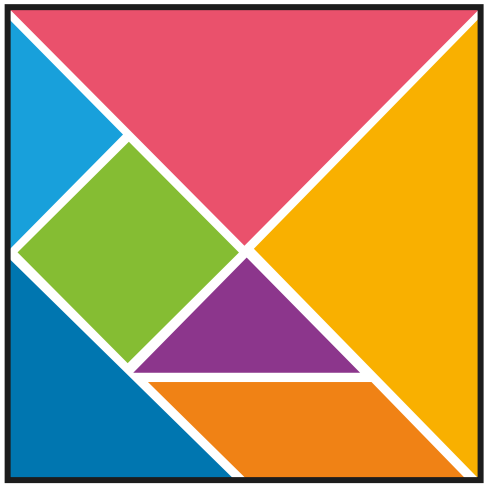
How could you **What can you see?** ke this picture?

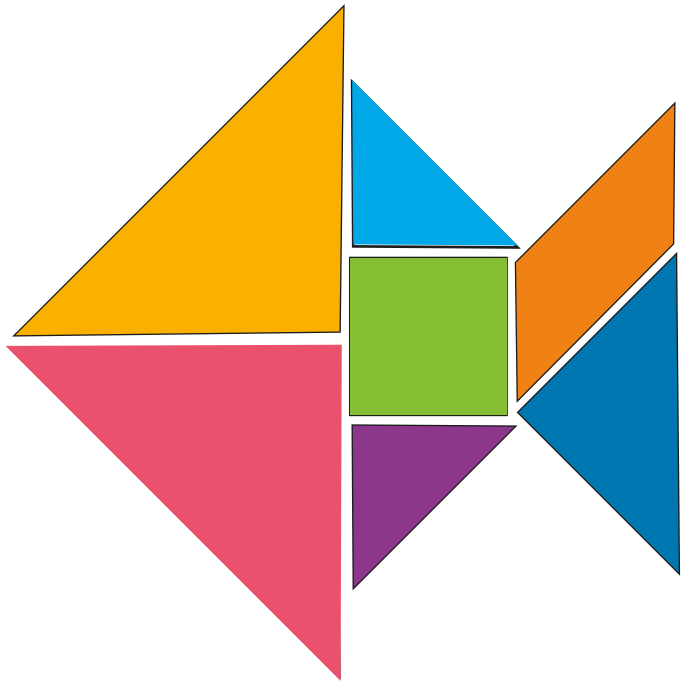




A fish.

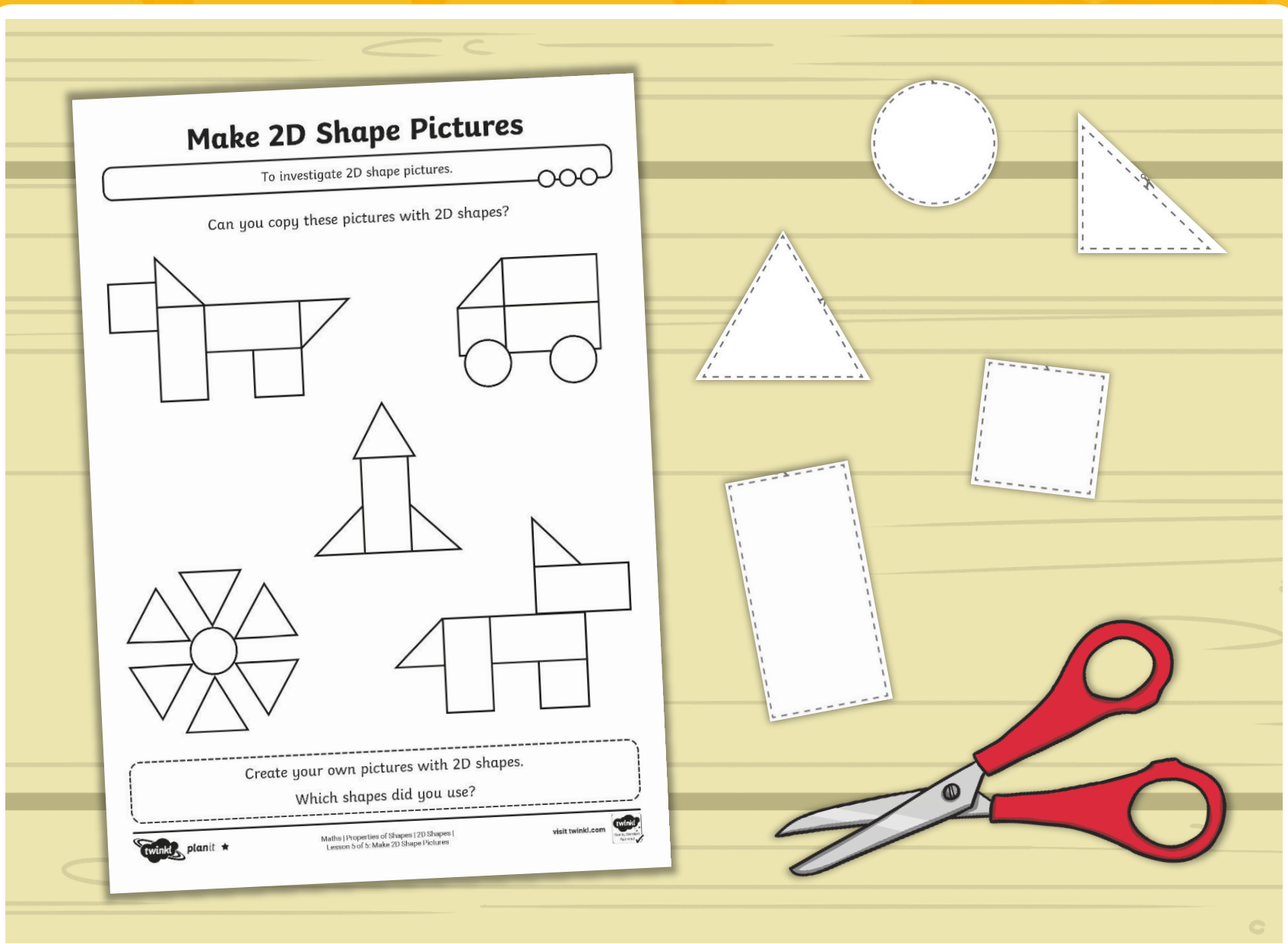
Or we could move the shapes like this.





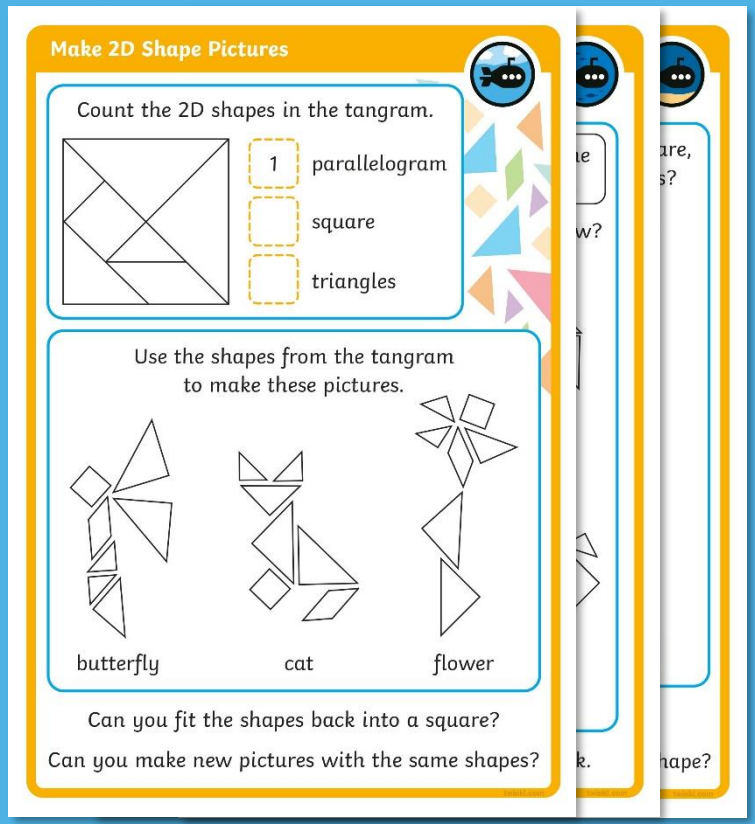
A fish.

Make 2D Shape Pictures



Diving into Mastery

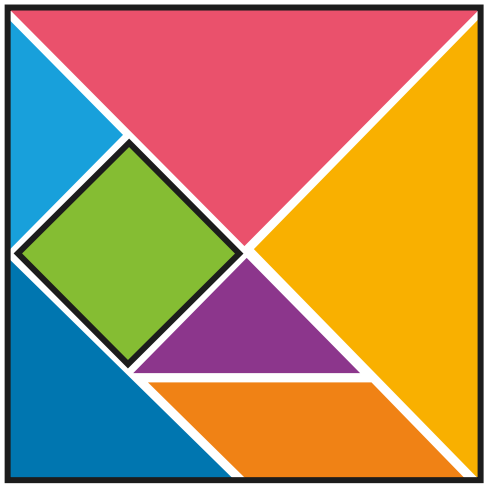
Dive in by completing your own activity!



True or false? How do you know?

The rocket is made from all of the shapes in the tangram.

false

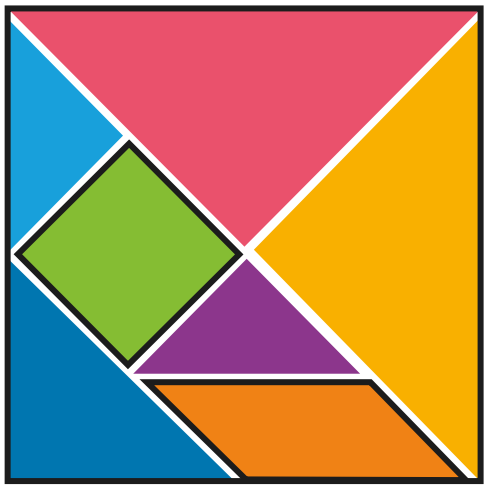


The square is missing.

True or false? How do you know?

The boxes are made from all of the shapes in the tangram.

false



The parallelogram wasn't used.

The square wasn't used.

There is an extra triangle.

Aim

- To investigate 2D shape pictures.

Success Criteria

- I can make pictures using 2D shapes.
- I can copy a picture using 2D shapes.
- I can name the 2D shapes that I use.