

Reasoning and Problem Solving

Geometry Shape Consolidation – Year 1

National Curriculum Objectives

Mathematics Year 1: [Recognise and name common 2-D shapes \[for example, rectangles \(including squares\), circles and triangles\]](#)

Mathematics Year 1: [Recognise and name common 3-D shapes \[for example, cuboids \(including cubes\), pyramids and spheres\]](#)

About This Resource

This resource is aimed at Year 1 Expected and has been designed to give children the opportunity to consolidate the skills they have learned in Autumn Block 3 – Geometry: Shape.

The questions are based on a selection of the same ‘small steps’ that are addressed in the block, but are presented in a different way so children can work through the pack independently and demonstrate their understanding and skills.

Small Steps

Recognise and name 3D shapes

Sort 3D shapes

Recognise and name 2D shapes

Sort 2D Shapes

Patterns with 3D and 2D Shapes

More [Year 1 Shape](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

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The children at Lime Street School are enjoying the school fayre.
There are lots of fun rides, games and stalls.

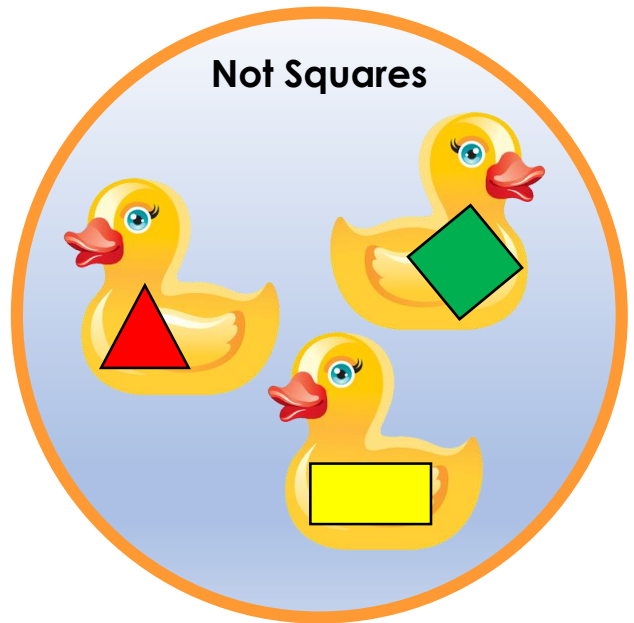
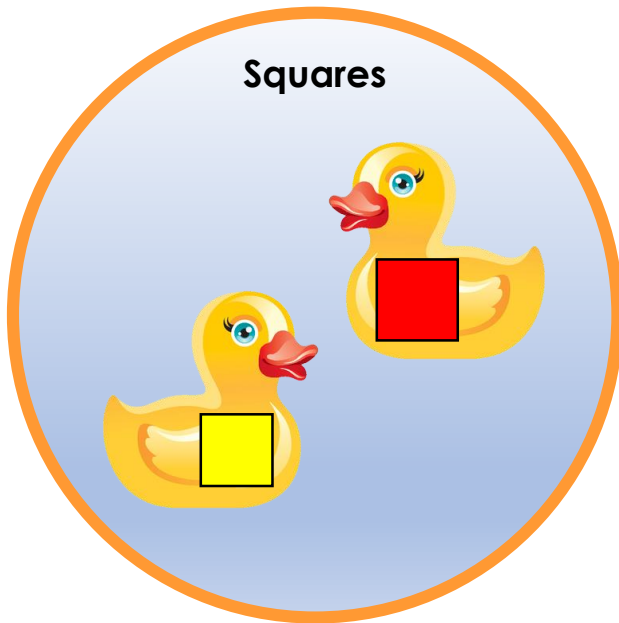


1. There is a hook-a-duck game.

The children can't wait to have a go.

There are 2 pools.

The children must hook the ducks and then put them into the correct pool.



Ahmed has already had a go.

Has he won the game? _____

Explain how you know.

Ahmed tries again and this time he wins a chocolate bar.

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2. Dan and Rana are playing a bowling game.
The shapes have been sorted because different shapes score different points.



But Dan spots something wrong! Explain what is wrong?

3. Here is the score board:

pyramids	1 point
cones	2 points



Rana knocks over 3 pyramids and a cone. What is her score?

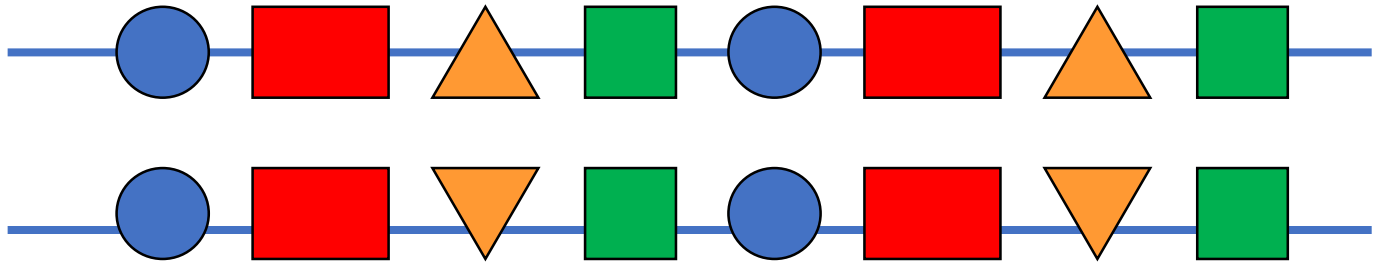


Dan knocks over 2 pyramids and 2 cones. What is his score?

Who won the game?

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4. Atifa and Sean are making bracelets at the craft stall. They have both created a pattern with their beads.



Sean

Our patterns
are the same.

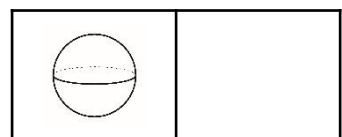
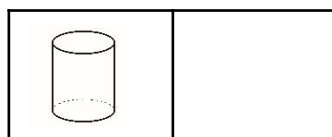
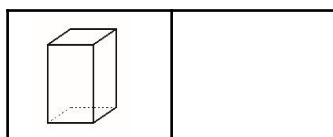
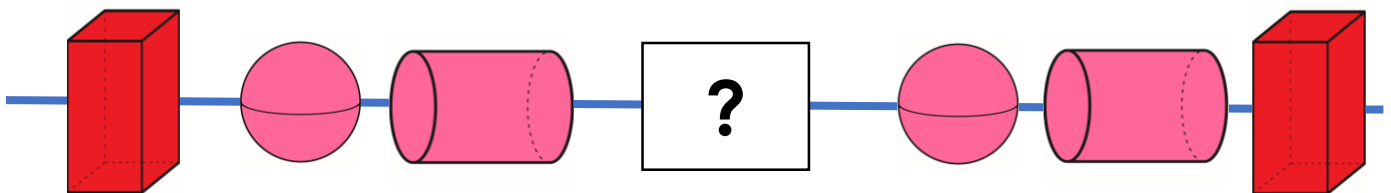
Our patterns
are different.



Atifa

Who do you agree with? Explain why.

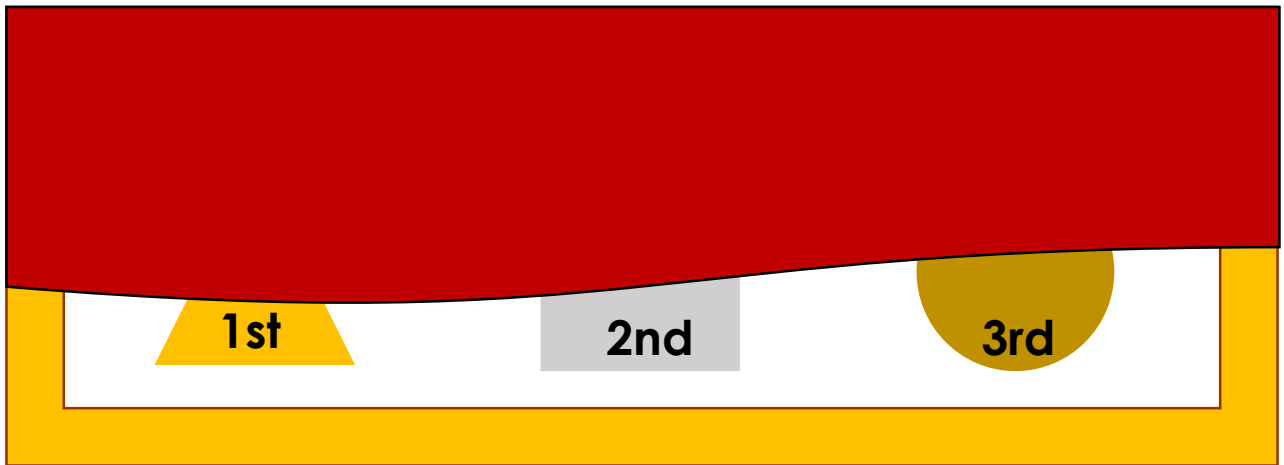
5. Atifa makes a necklace to go with her bracelet. She creates a pattern with her beads but gets confused. Tick the shape that is missing?



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It is time for the running race.

The medals are covered up to keep them shiny and clean.



The children are trying to guess the shape of each medal.

6. What shape could each medal be?

Tick the shape and explain your thinking.

<u>1st place</u>	square	
	circle	
	triangle	

<u>2nd place</u>	square	
	rectangle	
	triangle	

<u>3rd place</u>	rectangle	
	circle	
	triangle	

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1. No. There is a square in the wrong group.
2. There is a pyramid with the cones.
3. Rana: 5, Dan: 6. Dan won the game.
4. Atifa is correct because the triangles are a different way round.
5. Cuboid ticked.
6. 1st place: triangle.

Various answers, for example: It looks like the 2 sides will meet to make a shape with 3 sides.

2nd place: square and/or rectangle

Various answers, for example: It cannot have 3 sides so is not a triangle. It could have 4 sides the same length or it could have 2 longer sides.

3rd place: circle

Various answers, for example: It has a curved edge.