



Week Commencing 15th June

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Maths



If you want to keep your mental maths skills sharp we have included an arithmetic quiz in the Week 8 Home learning folder (with answers!).

After watching the videos and doing the practice activities, have a go at these activities. Depending on your confidence choose Mild, Medium or Spicy. **Adults** we have now attached an answer sheet for all of the activities on this worksheet (year 2 home learning page, week 8, answers).

Remember that these activities are to work from, not on. There is no expectation to complete all of the work or to print worksheets off - children can work on paper if they want to write it down. It is also fine for your child to just say the answer, or for instance, where it says 'circle all of the number bonds' it's fine for them to simply point to them! ☺

Extensions - You may wish to deepen your learning by looking at the worksheets provided by the BBC too.

Our Maths focus for this week is **SHAPES**

Monday

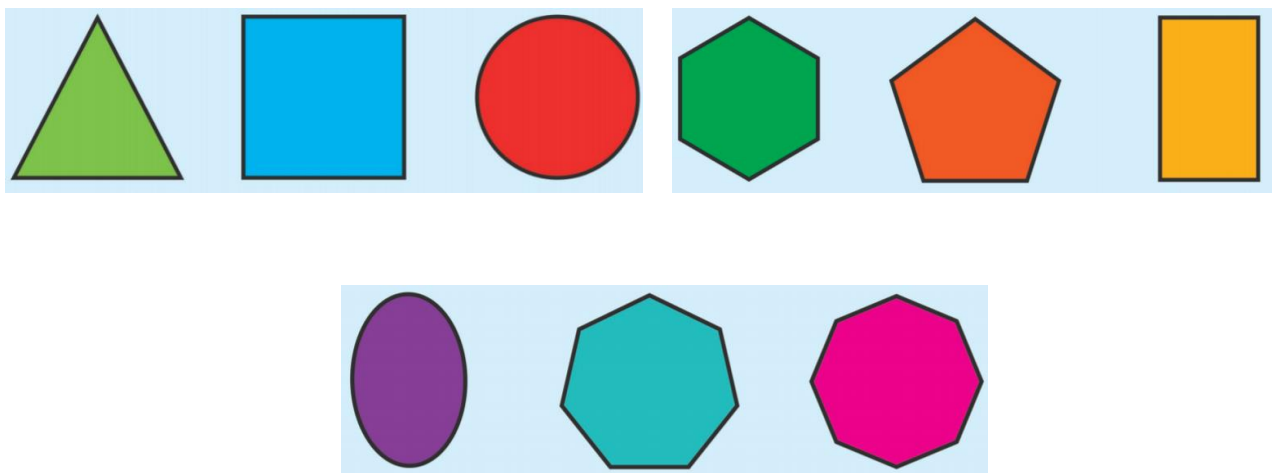
Properties of 2D shapes

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

Additional lesson: <https://classroom.thenational.academy/lessons/to-identify-shapes-by-the-number-of-sides-and-vertices/>

Starter activity (all children) - name that shape!



Mild

Complete the sentences to describe the shapes.

a)



A pentagon has sides.

b)



A triangle has sides.

Write the name of the shape also for these two.

c)



A has sides.

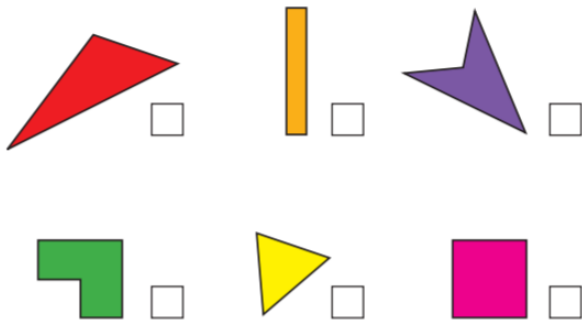
d)



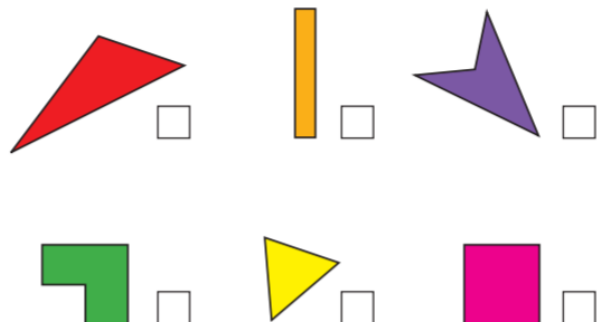
A has sides.

Extension - can you also write how many vertices each of these shapes have.
(vertices are where two **straight** lines meet, the corners)

Tick the 4-sided shapes.

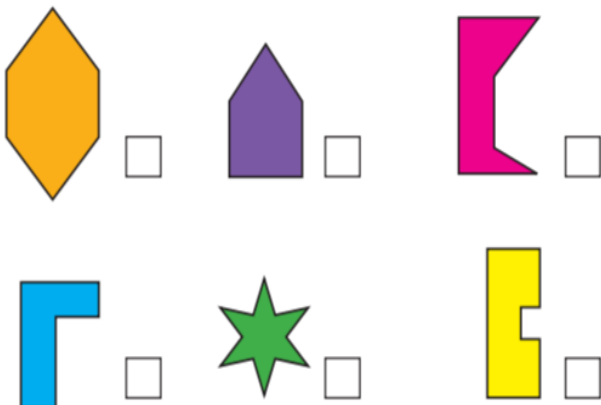


Tick the shapes with 4 vertices.

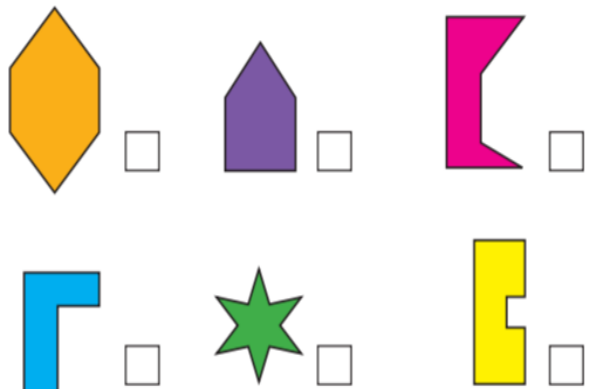


Medium - (vertices are where two lines meet)

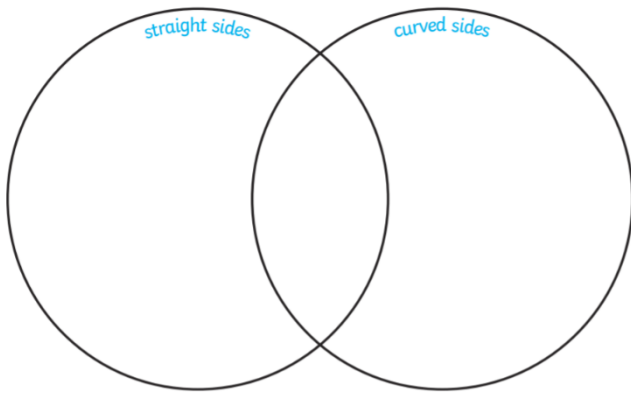
Tick the 6-sided shapes.



Tick the shapes with 6 vertices.



Draw the shapes in the correct spaces in the hoops.



Can you draw and name the shape?

	6 straight sides 6 vertices This 2D shape is a _____
	3 straight sides 3 vertices This 2D shape is a _____
	No straight sides No vertices This 2D shape is a _____

Spicy

Look carefully at the properties of these 2D shapes. Write your results in the table.

2D Shape	Total Number of Sides	Number of Straight Sides	Number of Curved Sides	Number of Vertices
Square				
Rectangle				
Circle				
Triangle				
Pentagon				
Hexagon				



This shape is a triangle.



My shape has more vertices than a triangle, but fewer than a hexagon.

Is Amir correct? _____

How do you know?

What shape could Ron have? _____

Rosie is making a pattern out of shapes.

a) How many vertices are in each term of her pattern?



Tuesday

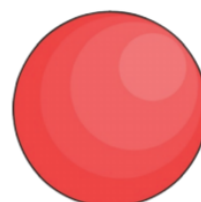
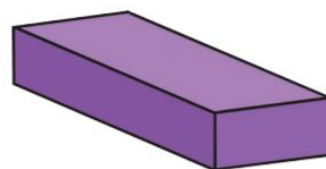
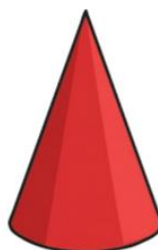
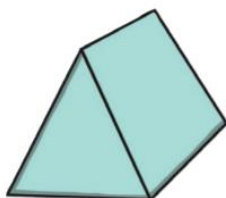
Properties of 3D shapes

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

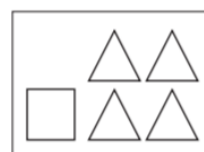
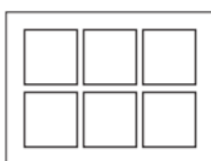
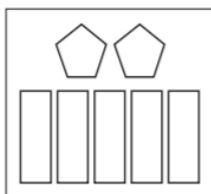
Additional lesson: <https://classroom.thenational.academy/lessons/to-identify-2-d-shapes-on-the-surfaces-of-3-d-shapes>

Starter activity (all children) - name that shape!



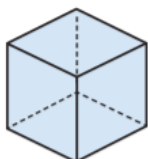
Mild - (edges are where the sides of two faces meet)

Match the shapes to the faces.



How many edges does each shape have?

a)



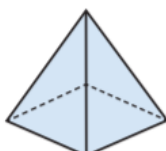
edges

c)



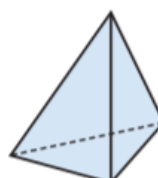
edges

b)



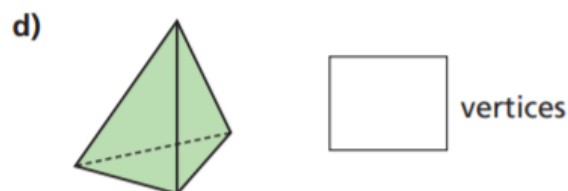
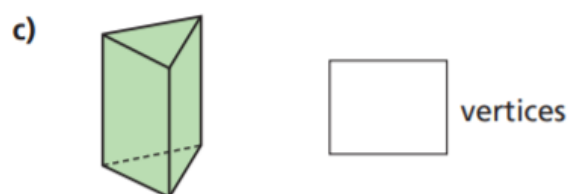
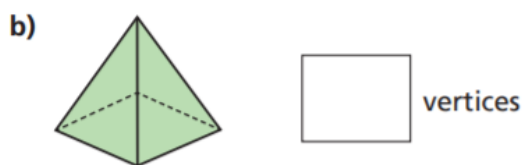
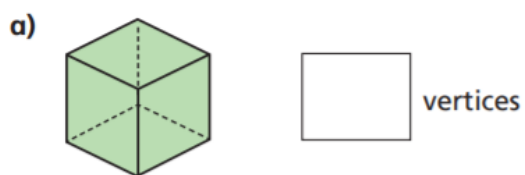
edges

d)



edges

How many vertices does each shape have?



Medium -Remember vertices are the point at which two straight sides meet

Complete the table.

Shape	Name	Number of faces
		
		
		
		

Complete the table.

Shape	Name	Number of edges	Number of faces
			
			
			
			

Complete the table.

Shape	Name	Number of vertices
		
		
		
		



My shape has one curved surface.

What shape is Jack describing? _____

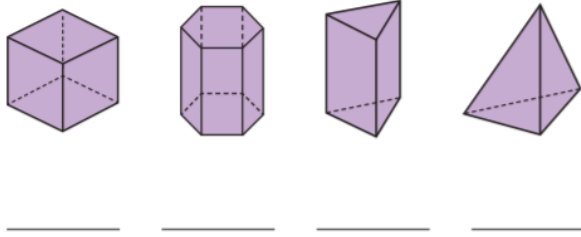


3D shapes always have more edges than faces.

Do you agree? _____

Spicy

Use the clues to label the shape with the correct letter.



- Shape A has an odd number of edges.
- Shape B has the most edges.
- Shape C has the same number of edges as a cube has faces.
- The edges of shape D are all the same length.

Write the name of two 3D shapes that have the same number of edges.

_____ and _____



A cube is the only 3D shape with 6 faces.

Alex has made a mistake.

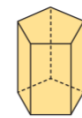
Name another 3D shape that has 6 faces.

Match each shape to the correct label.

< 5 vertices

= 5 vertices

> 5 vertices



1



2



3



4



5

Complete the sentences.

more

fewer

- a) A cube has _____ vertices than a sphere.
- b) A sphere has _____ vertices than a cone.
- c) A triangular prism has _____ vertices than a cuboid.

Wednesday

Sorting shapes

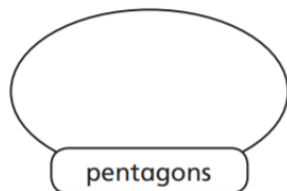
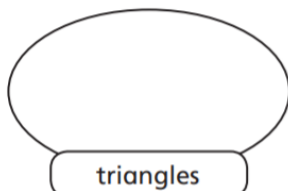
<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

<https://whiterosemaths.com/homelearning/year-2/>

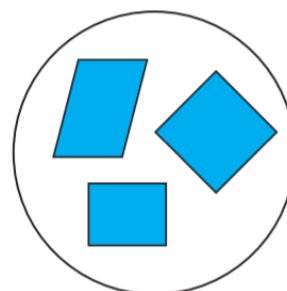
Additional lesson: <https://classroom.thenational.academy/lessons/to-compare-and-sort-2-d-and-3-d-shapes>

Mild

1 Draw lines to sort the shapes into groups.



2 How have the shapes been sorted?



Circle the odd one out in each group and complete the sentences.

a)



The odd one out is a _____.

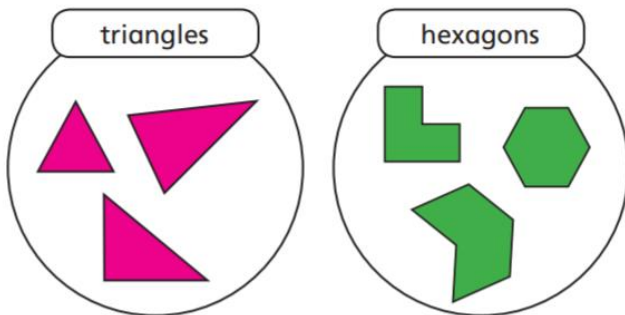
b)



The odd one out is a _____.

Medium

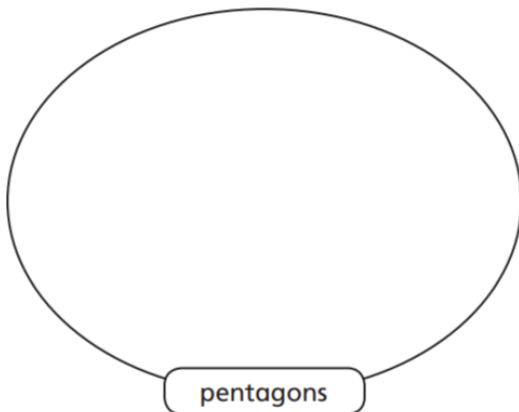
3 Eva sorts some shapes.



a) Is Eva correct? _____

How do you know?

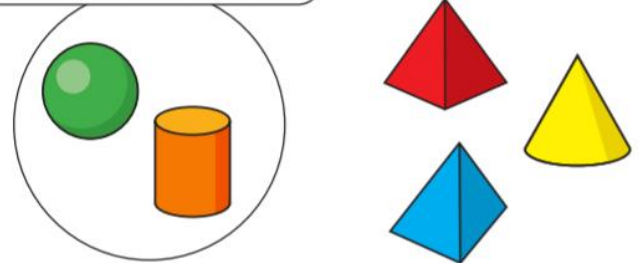
b) Draw a group of three different pentagons.



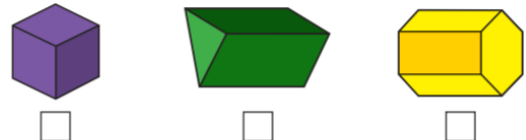
If you don't have the sheet printed, see if you can name the shape rather than tick.

Tick the shape that could go in the group.

has a curved surface

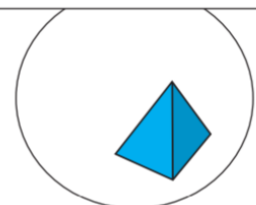
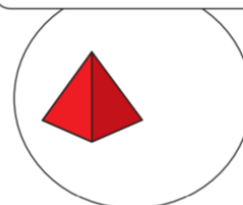


3 Tick the shape that could go in both groups.



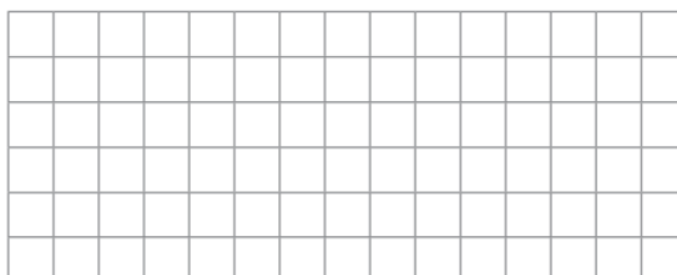
odd number of faces

even number of vertices



Draw three different shapes in each group.

shapes with 4 sides



Spicy

- a) Sort the shapes in order of the number of sides.

Start with the shape that has the fewest sides.



A



B



C



D



E

fewest

most

- b) Sort the shapes in order of the number of vertices.

Start with the shape that has the fewest vertices.



A



B



C



D



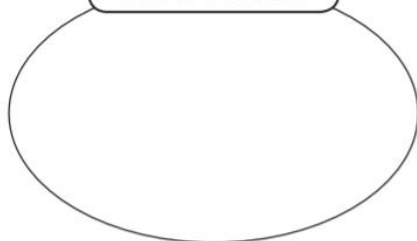
E

fewest

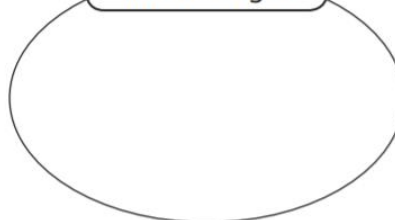
most

Write the name of a 3D shape that could go in each group.

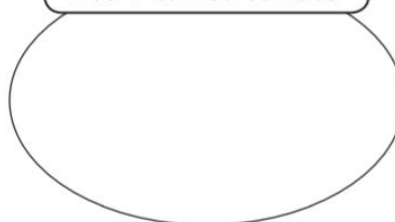
has 5 vertices



has 12 edges

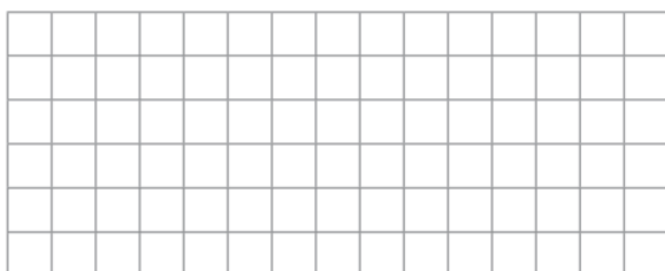


has 1 curved surface

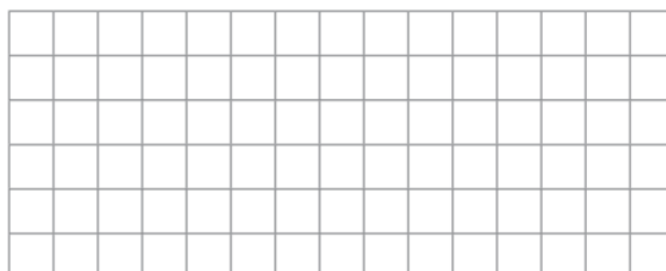


Draw three different shapes in each group:

shapes with an odd number of vertices



shapes with an even number of sides



Thursday

Shape patterns

<https://www.bbc.co.uk/bitesize/tags/z7s22sg/year-2-lessons/1>

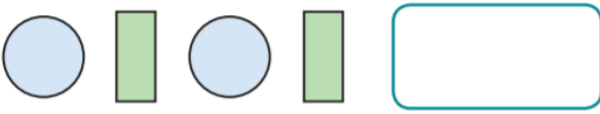
<https://whiterosemaths.com/homelearning/year-2/>

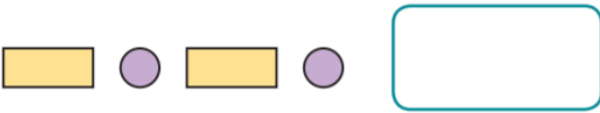
Additional lesson: <https://classroom.thenational.academy/lessons/to-recognise-lines-of-symmetry-within-2-d-shapes>

Starter - fun game: Have a go at playing this shape patterns game, we have played it lots in school!
<https://www.topmarks.co.uk/ordering-and-sequencing/shape-patterns>

Mild

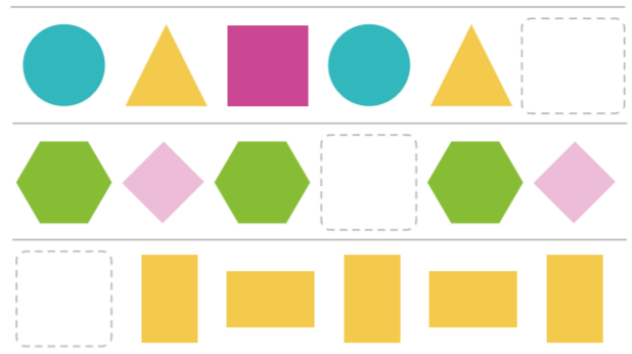
Draw the next two shapes in each pattern.

a) 

b) 

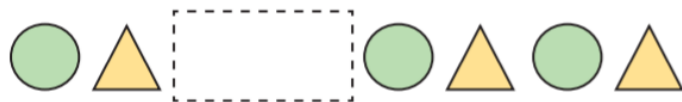
c) 

Draw the missing shape.

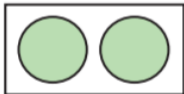
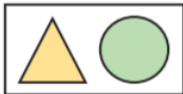
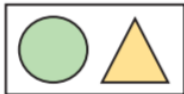


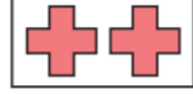
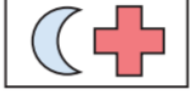
hexagon, square, hexagon, square,
-----, square

Tick the shapes that fit in each pattern.

a) 

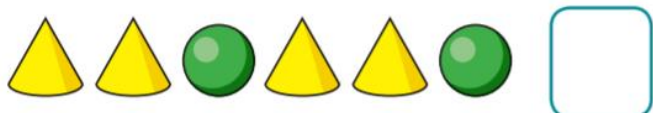
b) 

Options for a):   

Options for b):   

Draw the next shape in each pattern.

a) 

b) 

Can you also name the missing shape?

Medium

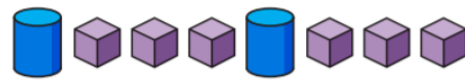


My pattern goes:
circle, triangle, square,
then it repeats.

a) Draw the first 9 shapes in Rosie's pattern.

b) What is the name of the 10th shape in the pattern?

c) What is the name of the shape to the right of the 5th shape?



Fran has made a pattern of shapes going round in a circle.

Has she done it correctly?

Explain your answer.



3 Here is a pattern made with 3D shapes.



a) Write the name of the 4th shape in the pattern.

b) What would the 13th shape in the pattern be?

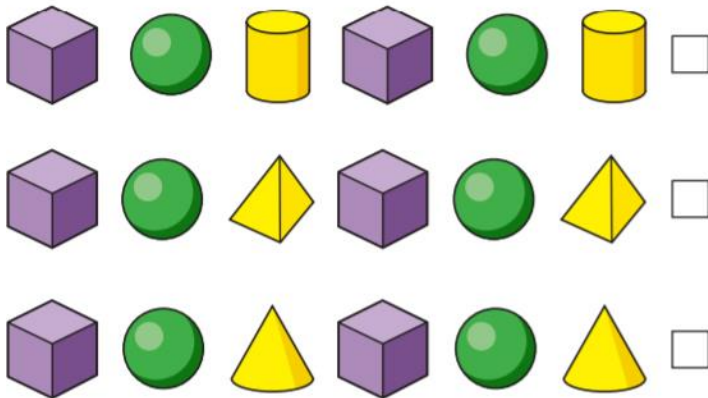
Extension - draw your own 2D shape pattern and label each shape

Spicy

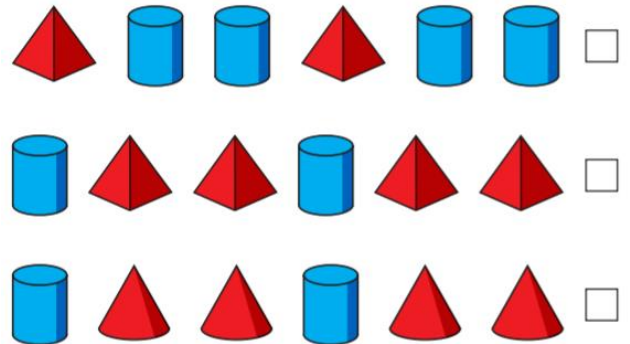
Tick the row that shows the pattern.

You can also write 1, 2 or 3 if you do not have the sheet printed.

a) cube, sphere, cone, cube, sphere, cone

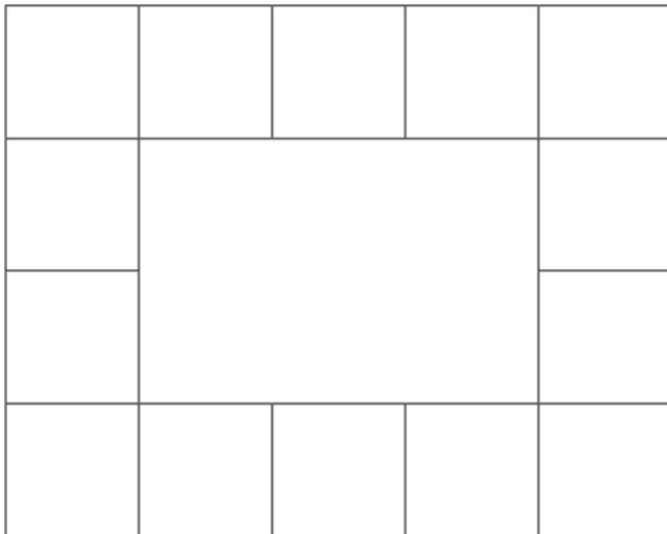


b) cylinder, pyramid, pyramid, cylinder, pyramid, pyramid



Draw a shape in each box to make a repeating pattern.

You may want to practise on a whiteboard.



What is the missing shape in this pattern?



What would the next shape be?

What would the 9th shape be?

This is the 12th shape.

True or false?



Write your own repeating pattern of shapes.

For example: circle, rectangle, rectangle, circle, rectangle, rectangle ...

Friday

Key skills and Time Table Rock Stars

Key skills - Telling the time to the nearest 15 minutes

Begin by watching this YouTube video as a telling the time re-cap. It discusses the design of a clock, what the clock hands mean and o'clock/half past/quarter past/quarter too.

<https://www.youtube.com/watch?v=lzRt9B04CMg>

Write down the time each clock shows

 _____	 _____	 _____
 _____	 _____	 _____

Below the grid are three analog clocks with blue frames and red hands, separated by vertical pink lines. The first clock shows 9:15, the second shows 7:15, and the third shows 3:15.

Times Table Rock stars

Have a go at your times tables on TTRockstars this week. Maybe you could battle with one of your friends? We can't wait to see how much your times tables have improved!



Times Table Rock Star Battle- Mrs Shaughnessy has organised a "battle" between each class in our year group. The start date is today and the finishing date is next Sunday 21st June so the results will be published that week on twitter. Get battling and lets see who wins!!!

Well done girls and boys, you have finished week 8!

We are so proud of your efforts 😊