

circle



rectangle



triangle



pentagon



square

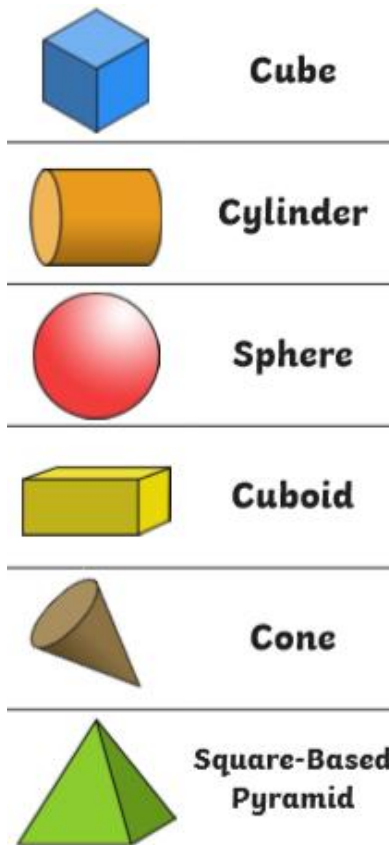


LO: To recognise and name common 2D and 3D shapes – Today you are going to be using all your work with shapes this week to **identify and make patterns!**

Success Criteria:

1. Look at the examples of 2D and 3D shapes
2. Read the questions
3. Look at the pictures **carefully**
4. Answer the questions in your book

**Example:**



1. Draw and colour the shapes to create a pattern.



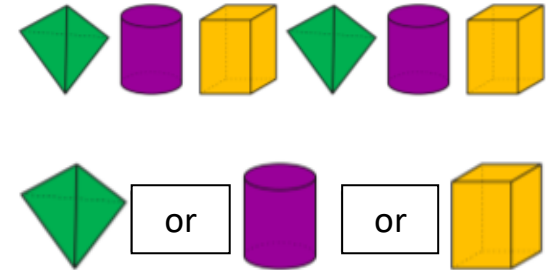
**Challenge:** There are 7 shapes in the pattern. *What would the 9<sup>th</sup> shape be?*

2. Draw and colour the shapes to create a pattern.

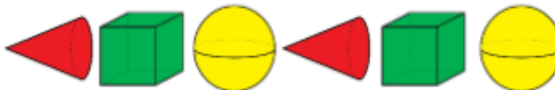


**Challenge:** There are 7 shapes in the pattern. *What would the 10<sup>th</sup> shape be?*

3. Write the name of the shape that continues the pattern.



4. Write the name of the shape that continues the pattern.



5. **True or false?**



The next shape in my pattern will be a cylinder.



6. **True or false?**



The next shape in my pattern will be a sphere.



Lesson 5 – 15.05.2020

LO: To identify 2D and 3D shapes; To identify 2D shapes on the surface of 3D shapes

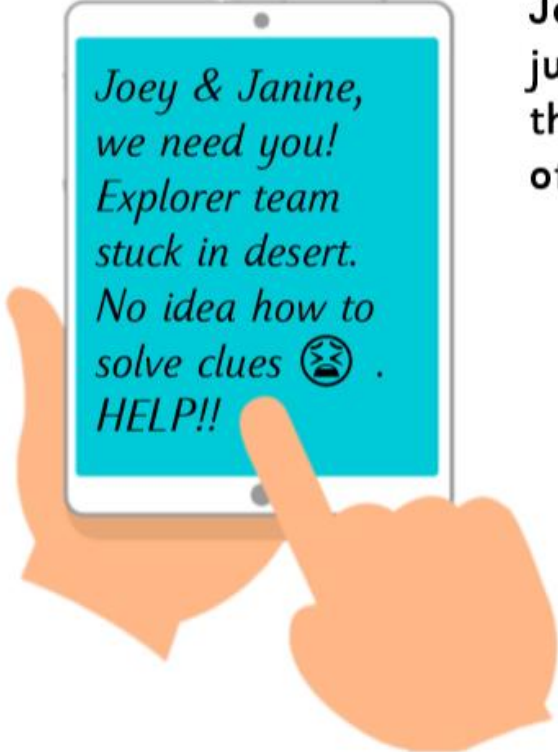
Task:

You are going to be **using reasoning, problem solving and your knowledge of 2D and 3D shapes to help solve a puzzle!**

Success Criteria:

- |   |
|---|
| 1. Read the text below to find out what your mission is   |
| 2. Put your reasoning and problem solving hat on, and use all your learning about 2D and 3D shapes over this week to help you |
| 3. Solve the tasks one by one to help Joey and Janine find the hidden tomb!   |

**Your mission!**



Joey & Janine,  
we need you!  
Explorer team  
stuck in desert.  
No idea how to  
solve clues 😞 .  
**HELP!!**

Joey and Janine are on an explorers' holiday. They have just received an urgent message from their team who are in the middle of the deserted caves of Abubayabu, in search of the hidden tomb of a great and magical king.



Looks like our  
holiday will have  
to wait!

Please help us! The  
quicker we finish  
the quicker we get  
back on holiday!



### Task 1

1. The team have made their way into the caves and are at the beginning of the journey down into the tomb. The map has a puzzle to protect its hiding place. **These shapes have been carved into the cave wall.** Help solve the puzzle to access the map. **Write the names of the shapes in the order that you would press them.**

**1<sup>st</sup> Shape:** The first is smooth with only one side.

**2<sup>nd</sup> Shape:** The next has four of each.

**3<sup>rd</sup> Shape:** The third has an even number of sides, more than all the others.

**4<sup>th</sup> Shape:** The fourth is the least of the corners here.

**5<sup>th</sup> Shape:** The next has the same sides as its number in order.

**6<sup>th</sup> Shape:** The final shape needs a bond of four to make its sides equal ten.

**Press the shapes in order to find the map in the den.**



Name of  
Shape 1

Name of  
Shape 2

Name of  
Shape 3

Name of  
Shape 4

Name of  
Shape 5

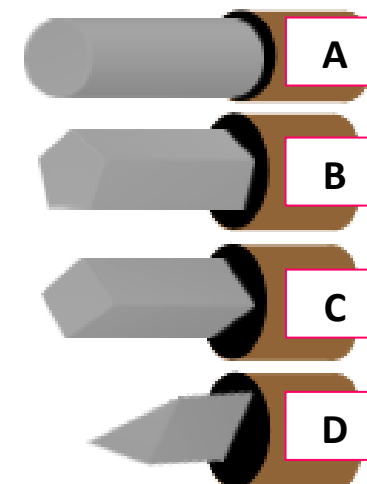
Name of  
Shape 6

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The map is freed. It shows a complex route of caverns, dangerous ravines to cross and a few more tricks and puzzles protecting the King's tomb. Keep going... IF YOU DARE!

### Task 2

2. A rickety rope bridge is stretched across a deep dark ravine, one wrong move and it will snap. Joey rushes ahead full of excitement. LOOK OUT!!! The rope on the bridge snaps! Which tool will fit the shape of the holes in the post below to reattach the rope and save Joey? **Write the name of each shape next to the correct letter to match the tools to the holes.**



Phew! You made it, everyone is safely across the bridge.

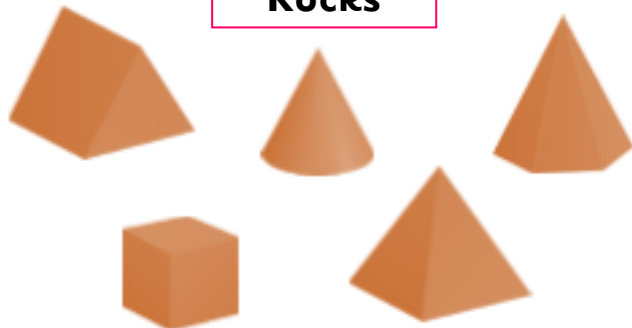
The next cavern is blocked with a huge cylindrical rock. No matter who pushes or pulls, it just won't move.

### Task 3

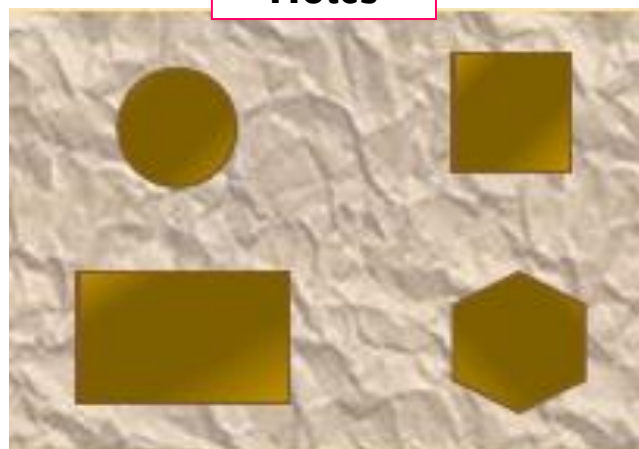
3. Janine spots a puzzle on the wall and a pile of carved rocks, she can't work out how it all fits together. They need your help.

**Which rock goes into which hole? Use the shape names to give Joanne instructions e.g. The \_\_\_\_\_ will fit in the \_\_\_\_\_ hole.**

**Rocks**



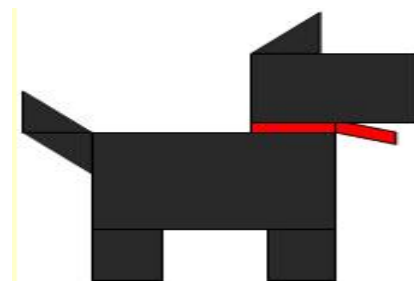
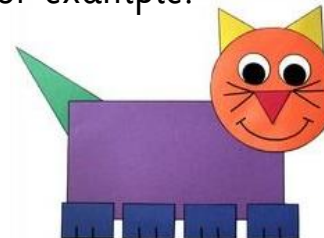
**Holes**



### Task 4

4. The stone has rolled aside to reveal a deep dark cavern. Walking into the darkness, the team come to a dark wall with pictures drawn upon the surface. They are pictures drawn using 2D shapes of animals.

**You need to draw another picture of an animal, made from only 2D shapes**, to appease the animal Gods in the caverns below and protect the team. For example:



### Task 5

5. You have travelled safely through the darkest caverns and arrived at the animal temple. Your drawing has shown them you are respectful.

**For the final puzzle you must name a 2D or 3D shape where the number of vertices matches the number of letter in the animals named, the first one has been done for you:**

Animal name	2D or 3D shape with same vertices as letters
Leopard = 7	Heptagon, or, a hexagonal-based pyramid
Mouse	
Cat	
Monkey	
Lion	

**YOU'VE MADE IT TO THE TOMB – WELL DONE!**