

Maths – Wednesday 20<sup>th</sup>  
January



WALT: Identify 2D and 3D shapes

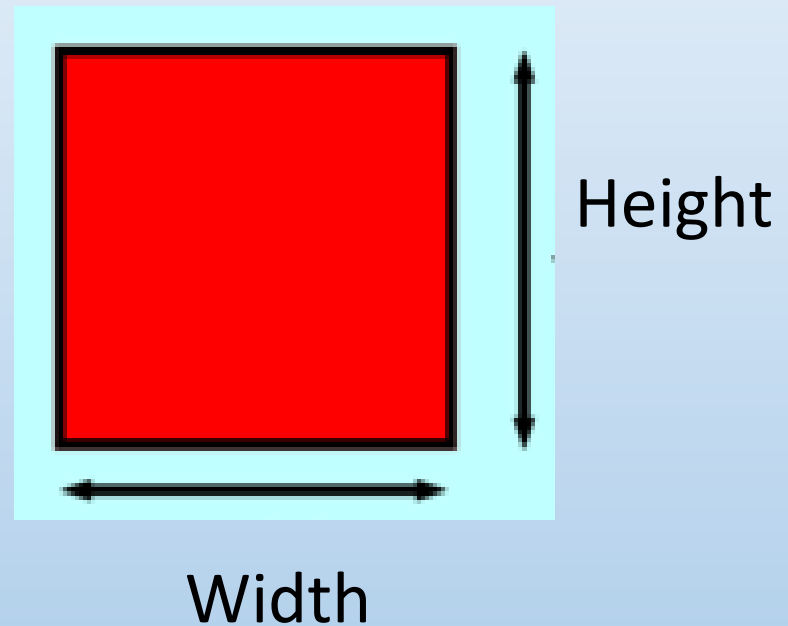


What is the difference between 2D  
and 3D shapes?



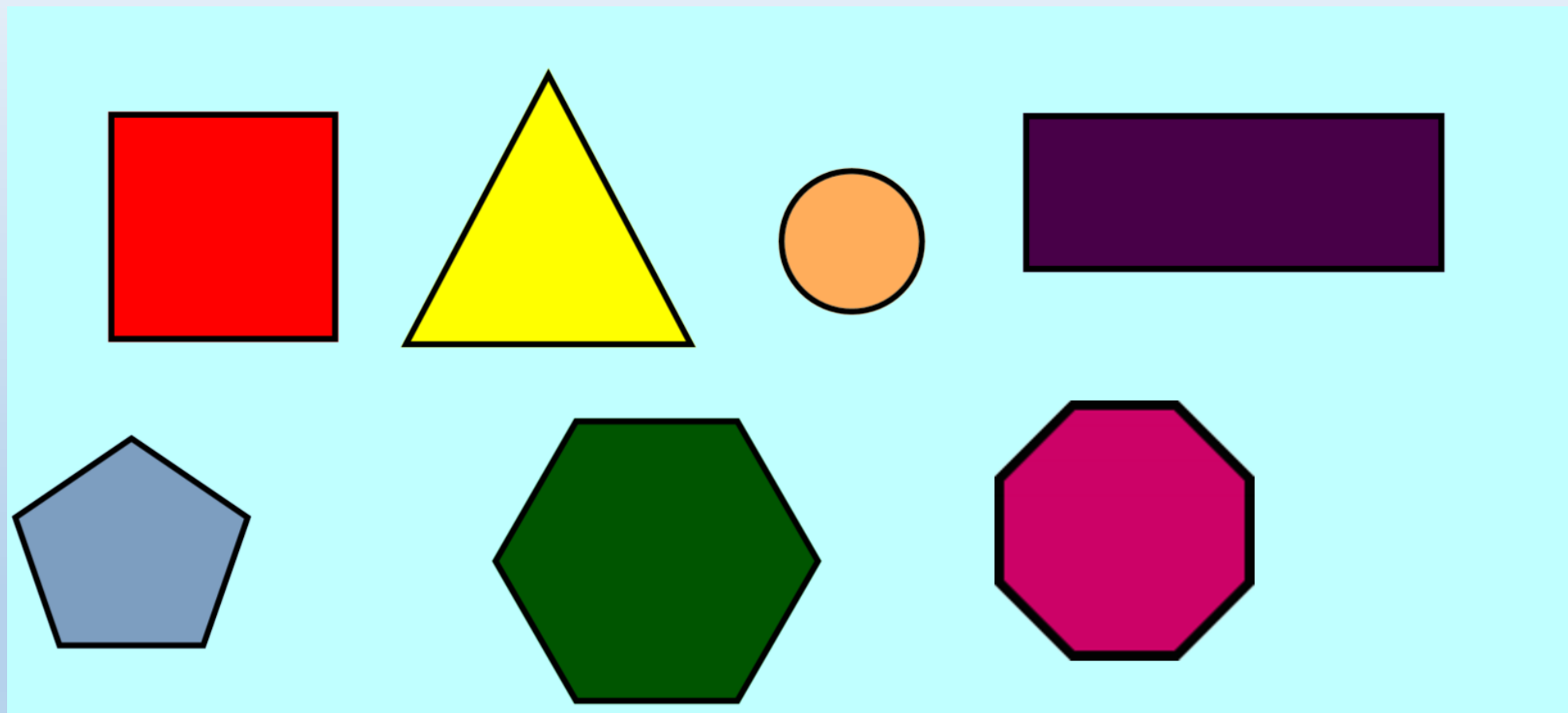
# 2D shapes

- 2D means 2 dimensional.
- It has 2 dimensions.
- It has a **height** and a **width** but **no thickness.**
- It is **flat.**
- It cannot be picked up

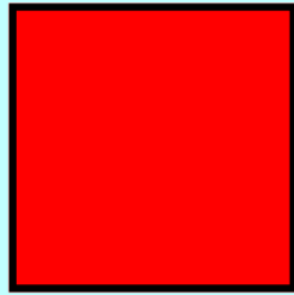




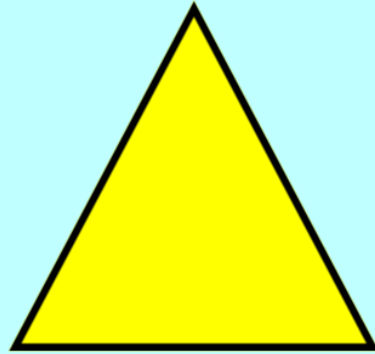
Can you remember the names of any?



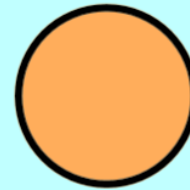
# Can you remember the names of any?



square



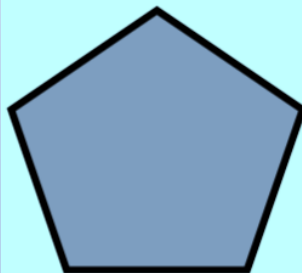
triangle



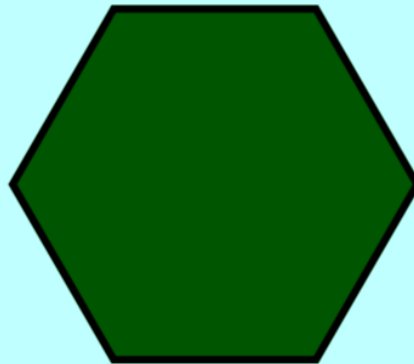
circle



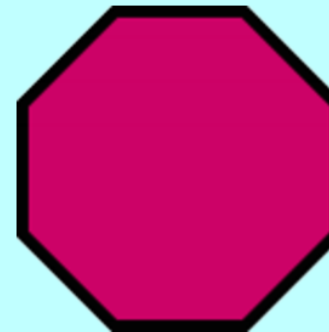
rectangle



pentagon



hexagon



octagon



What shape is this?



a) Square

b) Diamond

What shape is this?



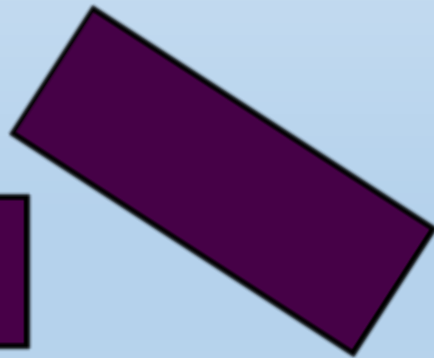
a) Square

b) Diamond





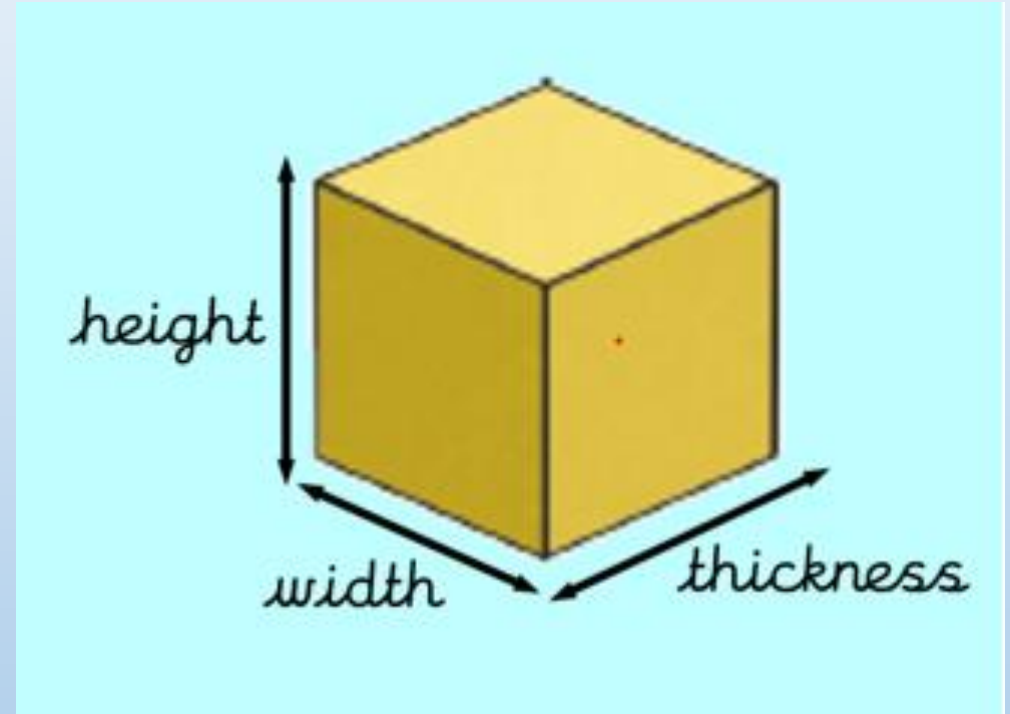
Remember each 2D shape is still the same when it is rotated.





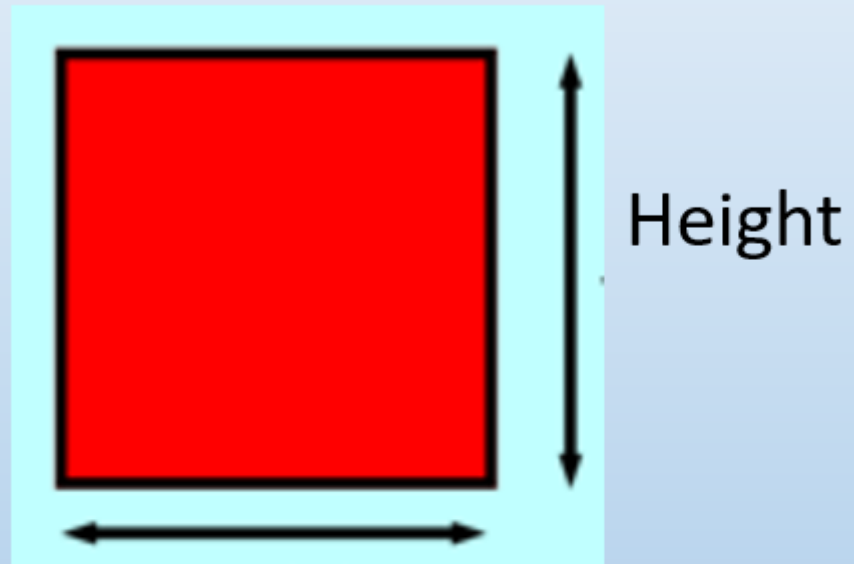
# 3D shapes

- 3D means 3 dimensional.
- It has 3 dimensions.
- It has a **height** and a **width and thickness**.
- It is a **solid** shape.
- It can be picked up



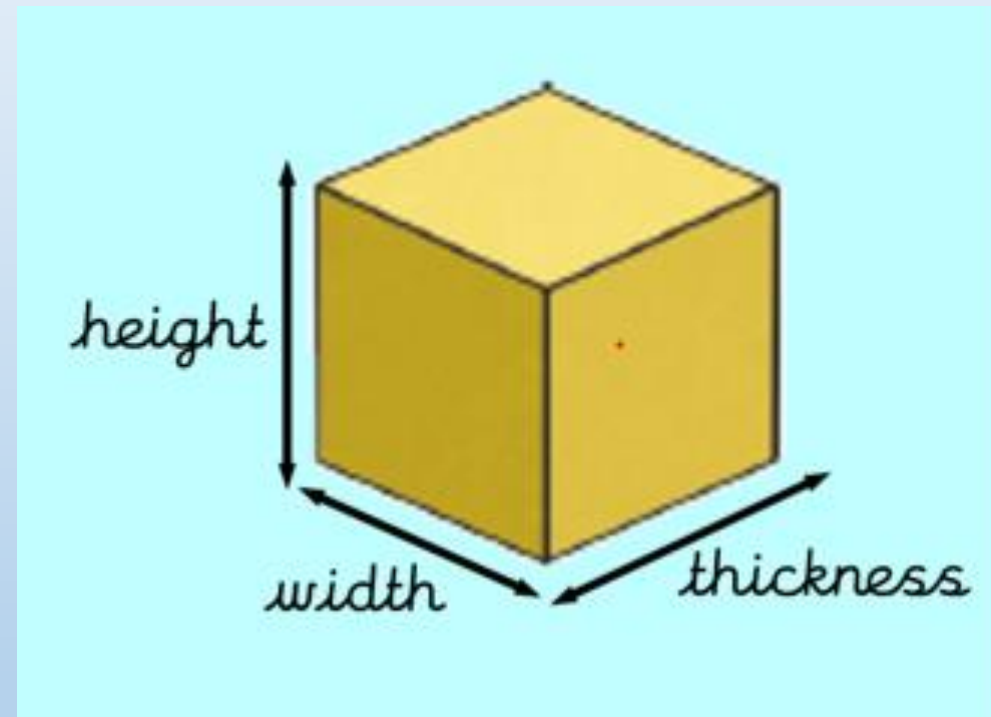


2D

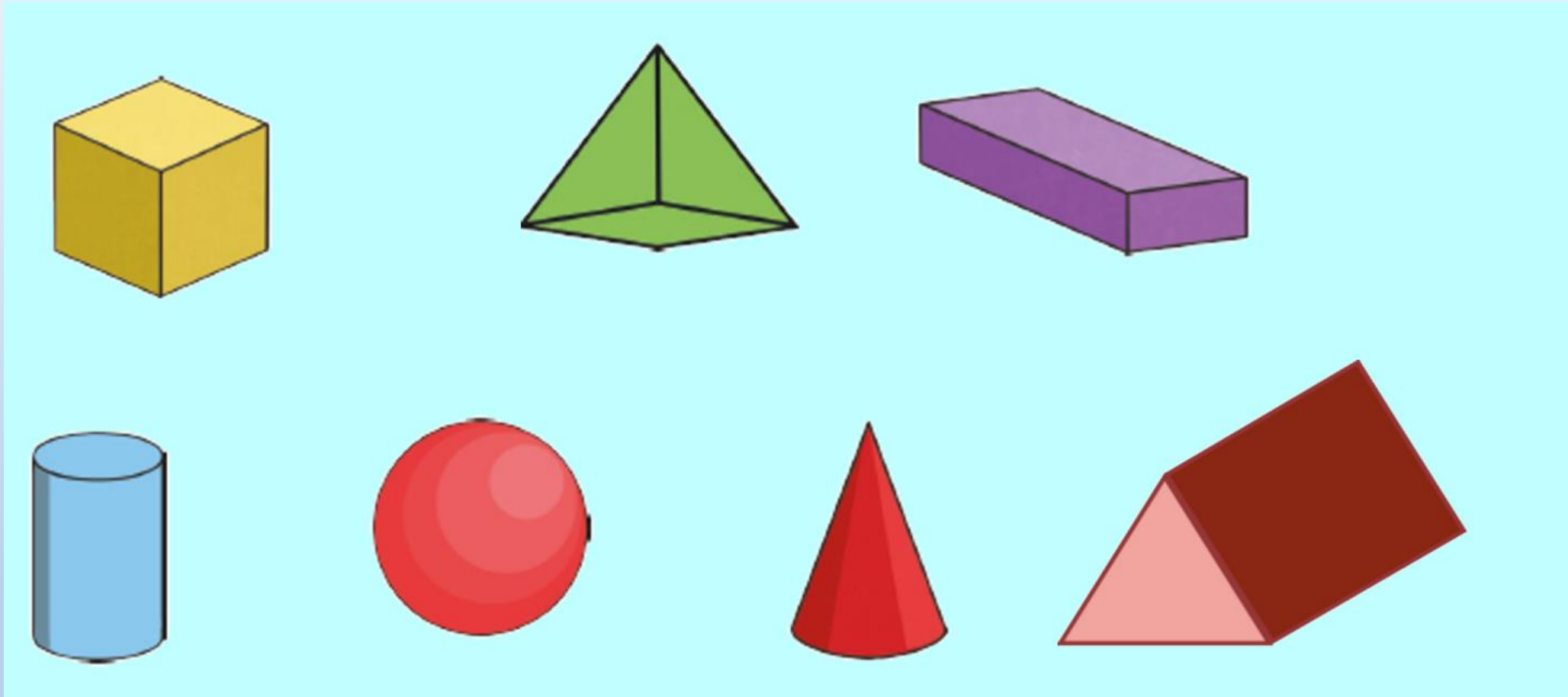


Width

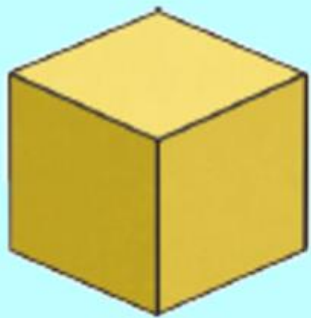
3D



Can you match the names to the shapes?



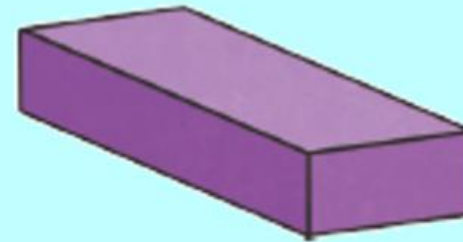
cuboid, sphere, cone, cube, cylinder, square based  
pyramid, triangular prism



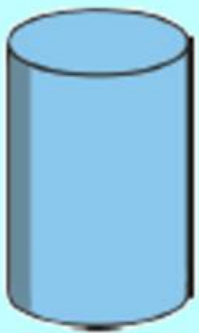
cube



square based pyramid



cuboid



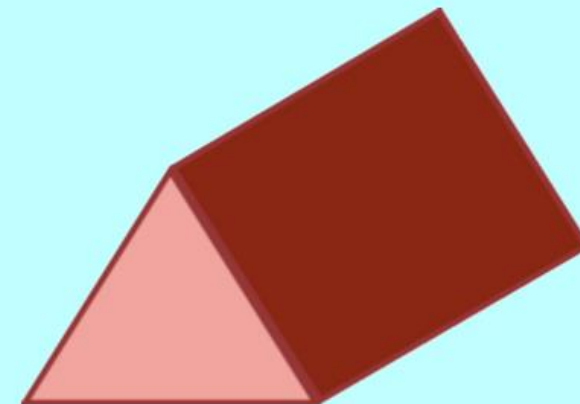
cylinder



sphere

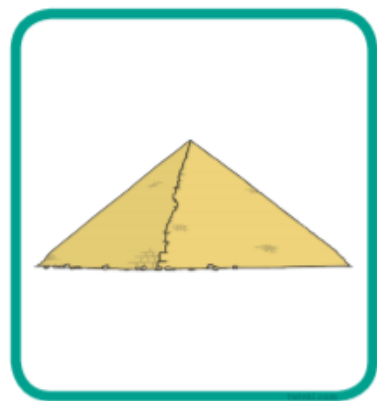


cone



triangular prism

Which 3D shapes can you spot in these everyday items?





## Shape hunt

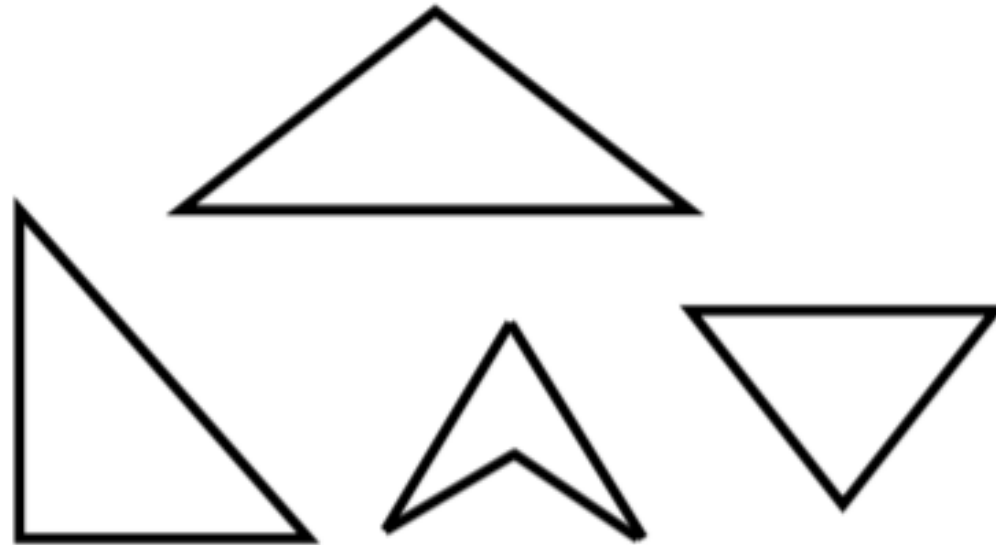
Have a look around your home. Which 3D shapes can you find?

Perhaps you could create a tally!

# One to discuss



Which shape is the odd one out?  
Explain your reasoning.

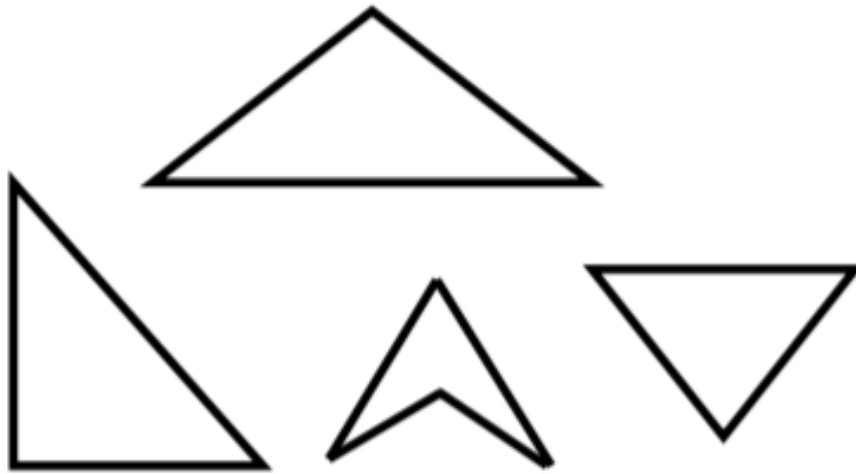






# One to discuss

Which shape is the odd one out?  
Explain your reasoning.



Three of the shapes are triangles, one is not. Three of them have three sides, one has four.

Other answers can be accepted with a clear explanation.







# Your task today



**White Rose Maths**

**Recognise 2D and 3D shapes**

**1 Match the shape to its name.**

circle

hexagon







pentagon

square

triangle

rectangle

**2 Match the shape to its name.**

cuboid

triangular prism

cube





pyramid

sphere

cylinder





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**3 Which shape is the odd one out? Tick your answer.**

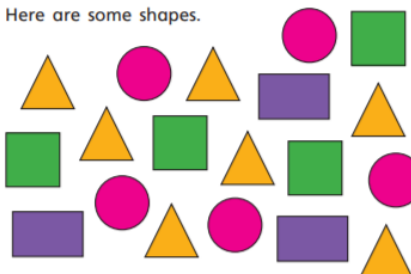
Why did you choose this shape?

**4 Which shape is the odd one out? Tick your answer.**

Compare answers with a partner.

**5 Here are some shapes.**



Complete the tally chart to show the number of each shape.

Shape	Tally	Total
triangle		
circle		
square		
rectangle		

Work with a partner.  
Find shapes around your classroom and complete your own tally chart.

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1 Match the shape to its name.



circle



hexagon



pentagon



square



triangle

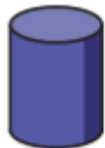


rectangle

2 Match the shape to its name.



cuboid



triangular  
prism



cube



pyramid



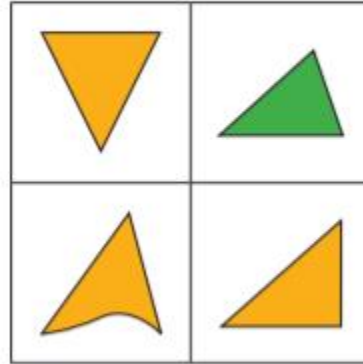
sphere



cylinder

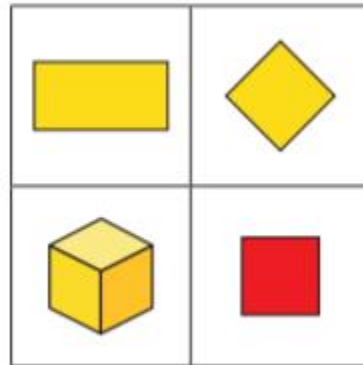


- 3 Which shape is the odd one out?  
Tick your answer.



Why did you choose this shape?

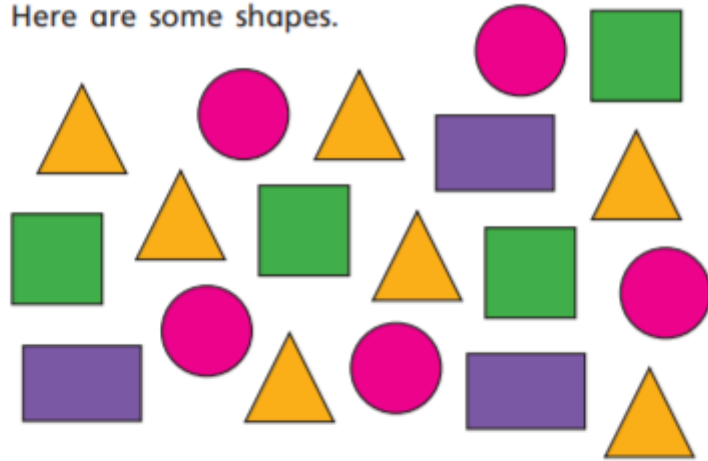
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