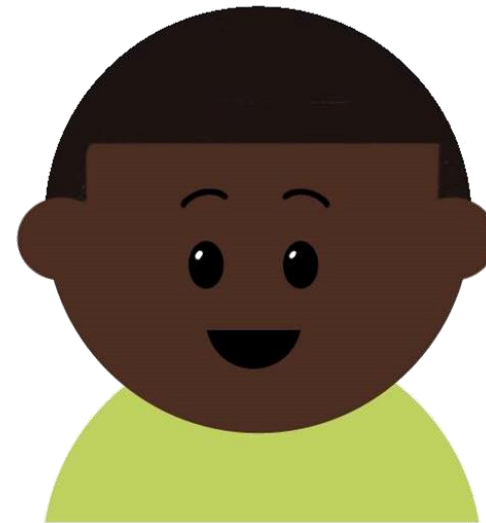


# Progression in Mastery

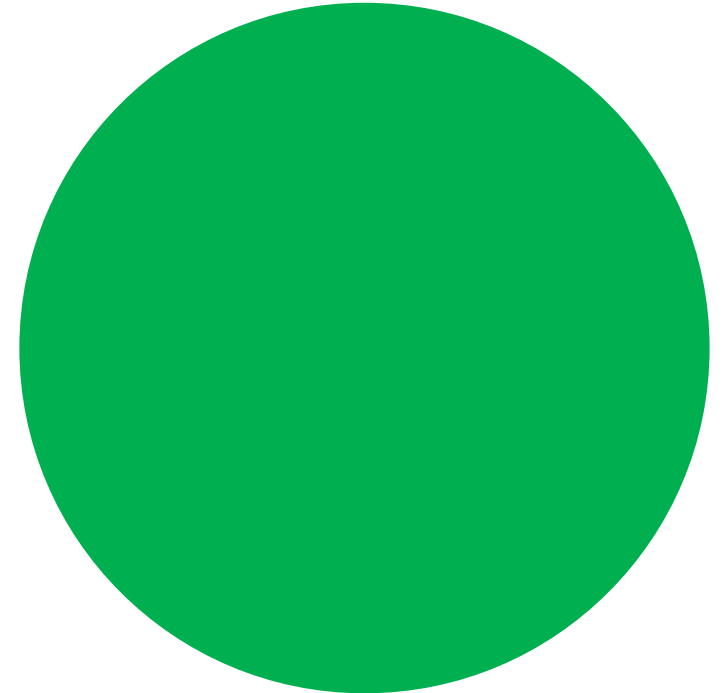
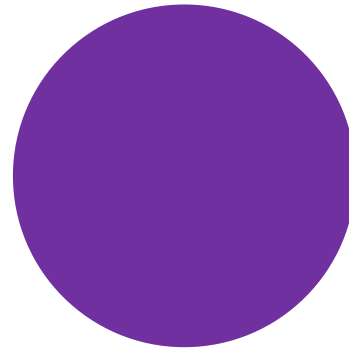
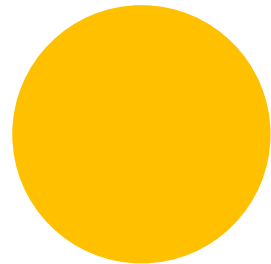
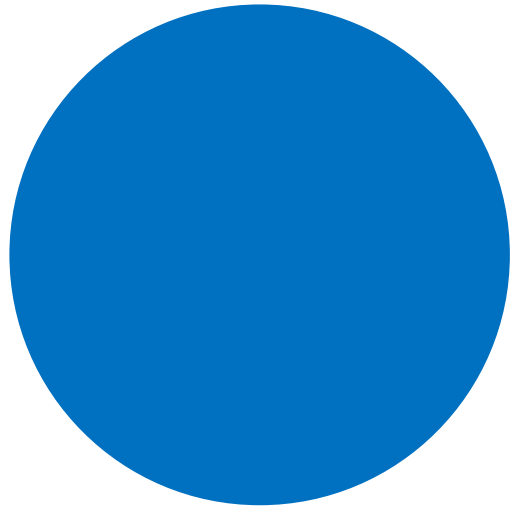
## Year 6 Circles

Let's learn all  
about circles!



# Let's do this!

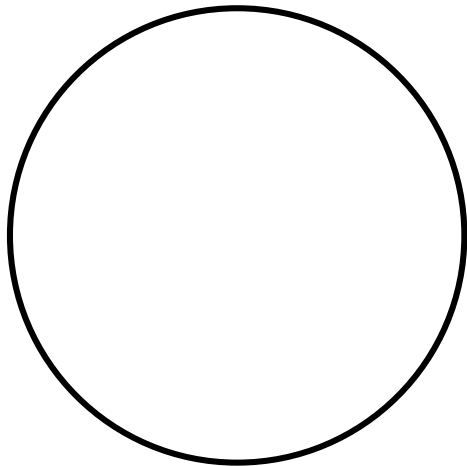
How many circles can you see in your room?



Can you name 3 more circle shaped objects?

# Let's revisit what we should know...

We can describe the properties of a circle.



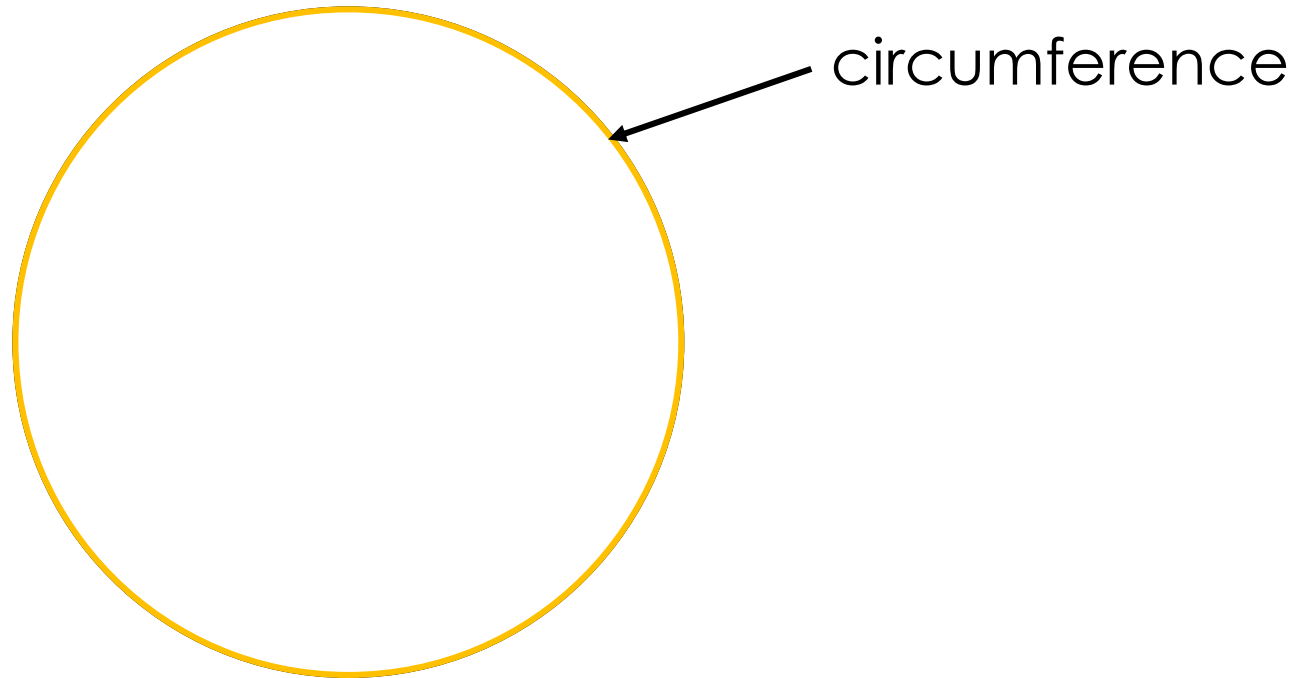
A circle has one **curved side**.

It has      corners.

What other facts do you know about circles?

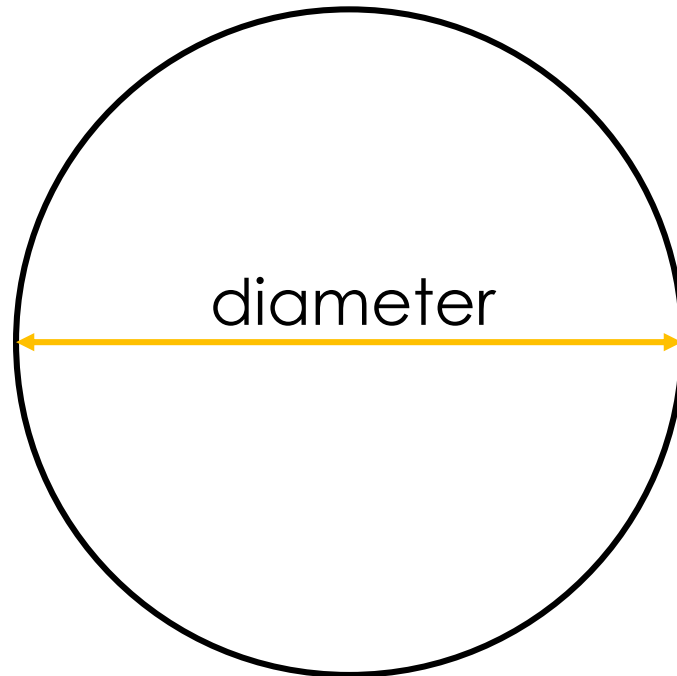
# Let's learn

The circumference is the distance **around** a circle.



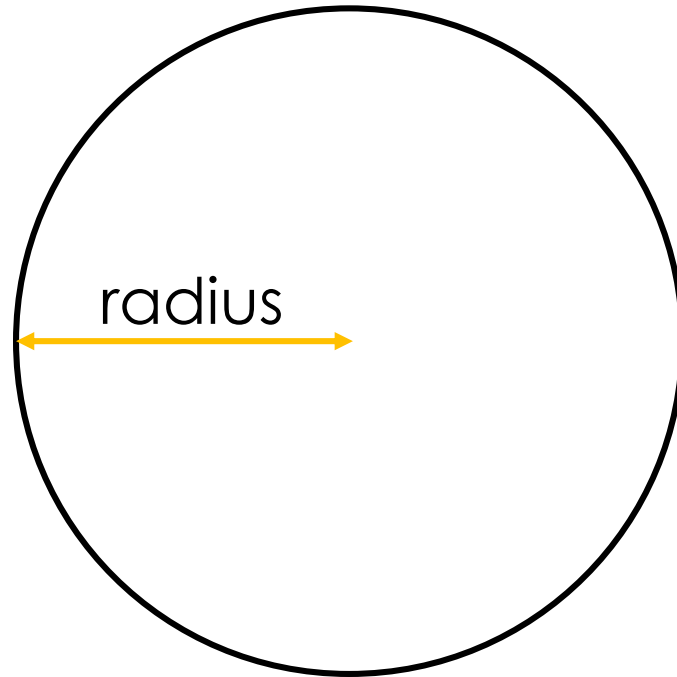
# Let's learn

The diameter is the distance **across** the middle of a circle.



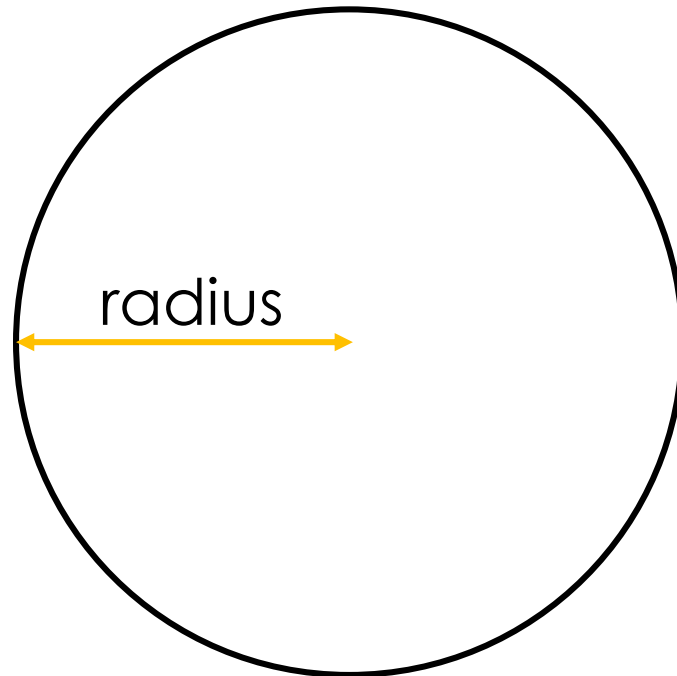
# Let's learn

The radius is the distance **half** way across the circle to the **circumference**.



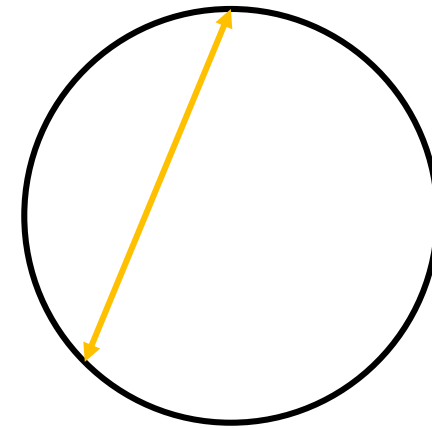
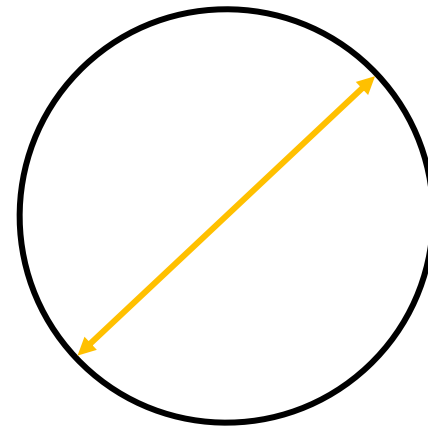
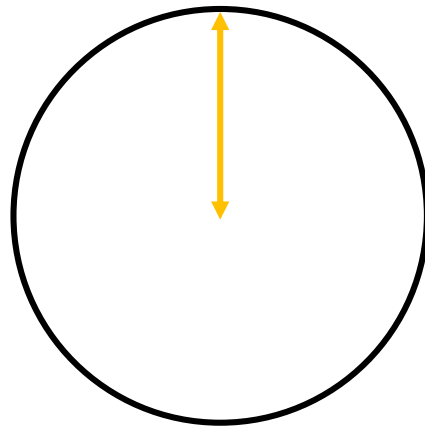
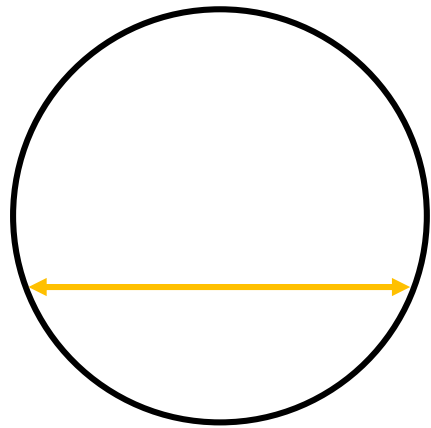
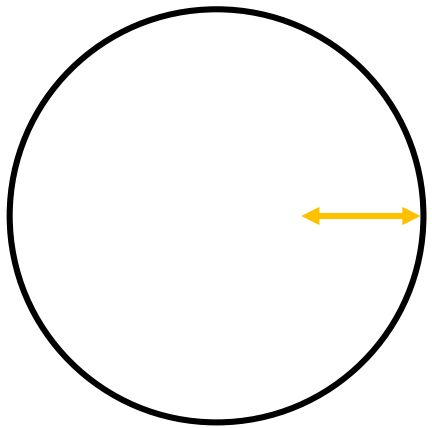
# Let's learn

It is **half** the length of the \_\_\_\_\_.



# Let's talk

It is important to note that the diameter and radius travel through and to the centre.

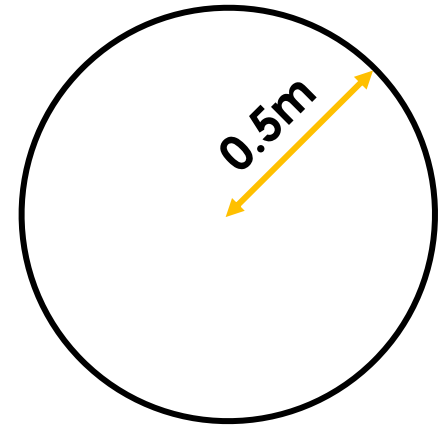
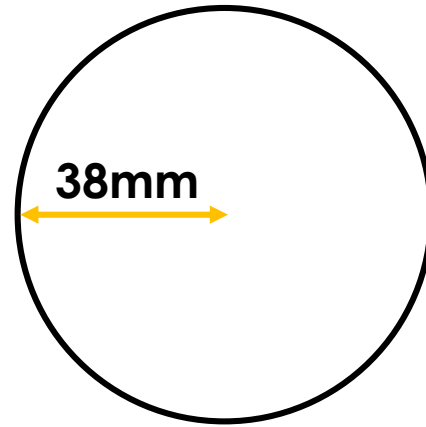
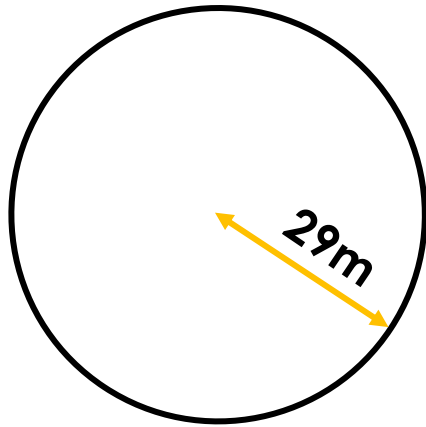
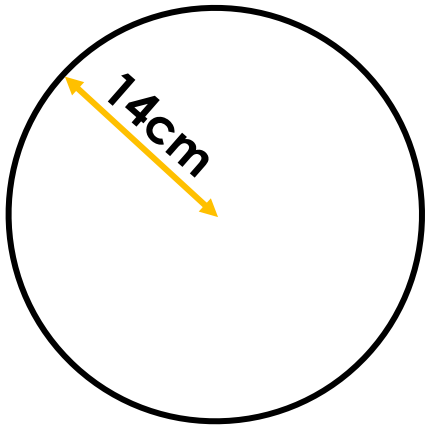


Which of the above show the diameter and radius correctly?



# Let's talk

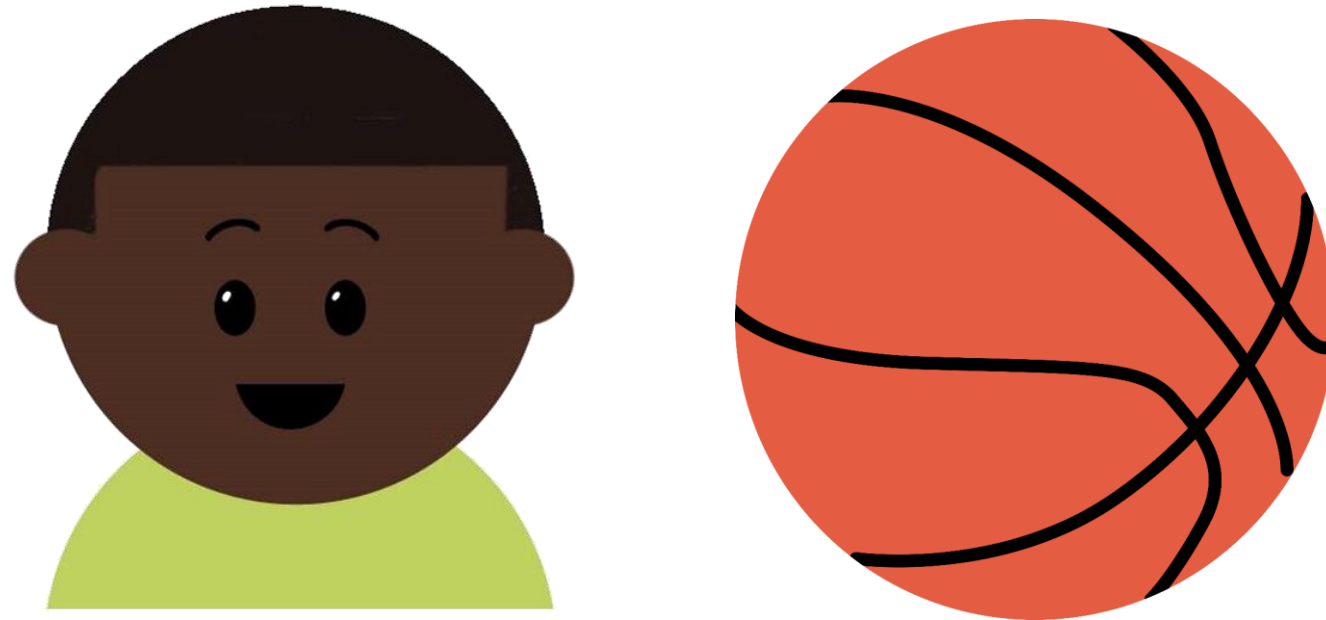
The diameter is **double** the length of the radius.



Calculate the diameter of each circle.

## Let's talk

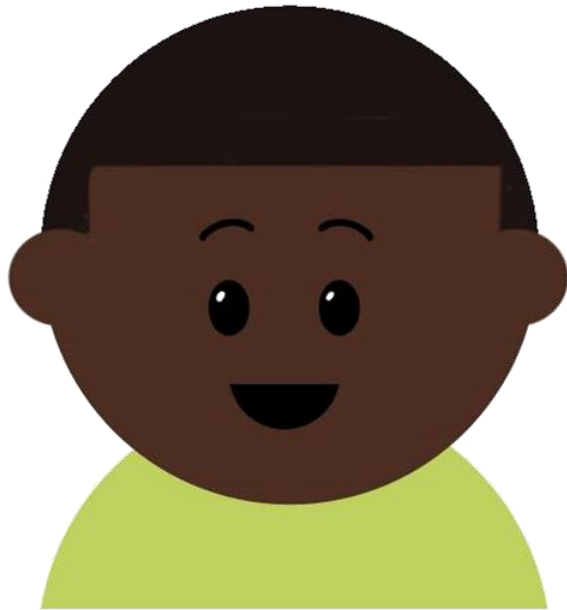
The diameter of Caleb's basketball is 240mm.



What is its radius?

# Let's develop our learning

Identify, explain and correct Caleb's mistakes!



Radius	Diameter
17cm	34cm
0.86m	8.6m
245mm	122.5mm
15.3cm	30.06cm
3.5m	7cm