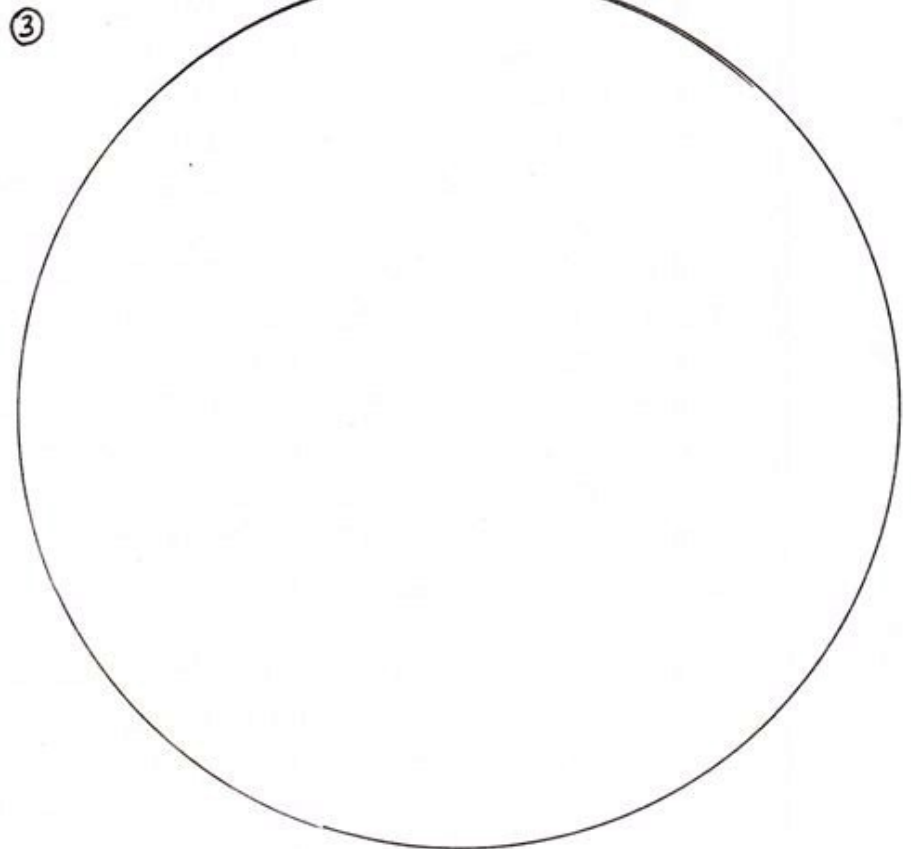
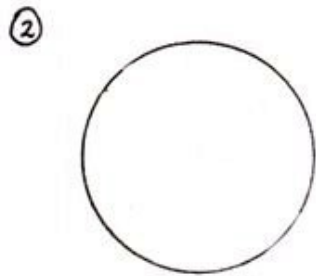
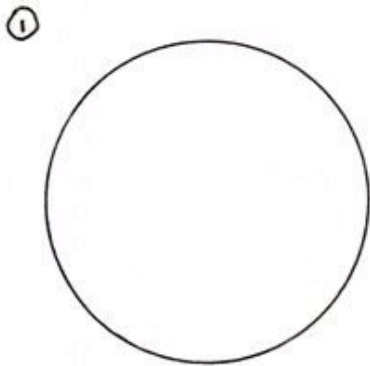


THE CIRCUMFERENCE OF A CIRCLE

Complete the table using the measurements you have made.

ITEM	DIAMETER (D)	RADIUS	CIRCUMFERENCE (C)	$C \div D$ (to 2 dec. pl)
①				
②				
③				



Predictions.

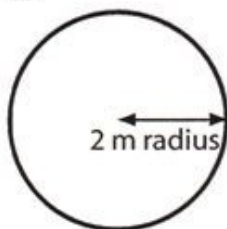
1. A circle diameter 20cm will have a circumference _____
2. A circle radius 25cm will have a circumference _____
3. A circle circumference 90cm will have a diameter _____
4. A circle circumference 30cm will have a radius _____

What is the relationship between the circumference of a circle and its diameter?

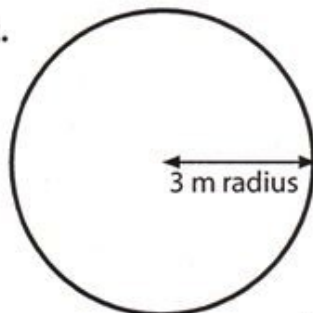
Circumference and Diameter

Use a length of string and chalk to mark out 3 circles with the sizes indicated on a flat concrete surface.

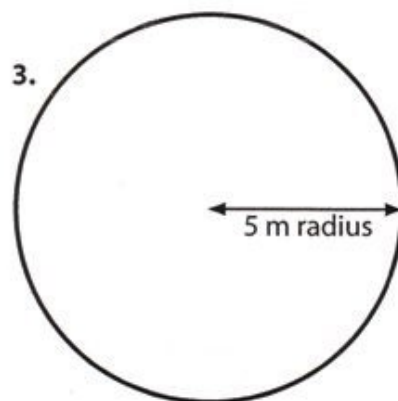
1.



2.



3.



Use a string or a trundle wheel to find the circumference of each circle. In each case, what number do you get if you divide the circumference by the diameter?

Circle 1 – Circumference (C) = _____ Diameter (D) = _____ $C \div D =$ _____

Circle 2 – Circumference (C) = _____ Diameter (D) = _____ $C \div D =$ _____

Circle 3 – Circumference (C) = _____ Diameter (D) = _____ $C \div D =$ _____

Go for a walk and measure the circumferences and diameters of the following items.

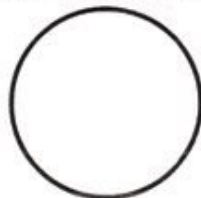
1. Tree trunk

 $C \div D =$ _____ $=$ _____


2. Shot put circle (or other circular object)

 $C \div D =$ _____ $=$ _____


3. Any circle marked out on the playing fields

 $C \div D =$ _____ $=$ _____


What is the value of $C \div D$ in each case? _____

This number is called pi or π .