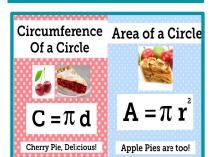
# Maths Block 5 & 6

# **Area of Polygons**



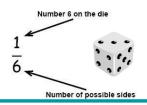
# **Probability**

Probability is the likelihood or chance of something happening. It is shown as either

Probability of an event

a fraction - decimal - %

Number of ways it can happen
Total number of outcomes

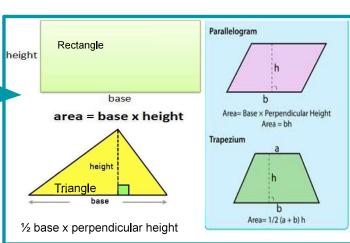


### Probability is between 0 and 1

- 0 = impossible
- 1= certain

Probability of outcome A is shown as **P(A)** 

**P(Red Queen)** = probability of picking a Red Queen from a pack of cards.

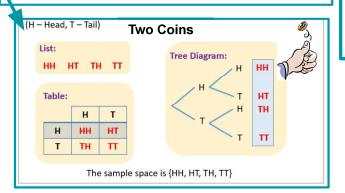


Experiment: Repeatable procedure -rolling dice x 10

Outcome: Possible result of an experiment

Mutually Exclusive: Can't happen at the same time

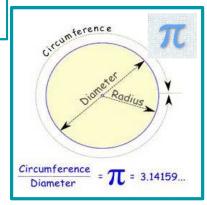
Sample Space: All possible outcomes of an experiment shown as a list, table, tree diagram





or = add and = multiply





### **Units of Measure**

## Length

1 km = 1000 m

1 m = 100 cm

1 m = 1000 mm

1 cm = 10 mm

#### Mass

1 tonne = 1000 kg

1 kg = 1000 g

1 g = 1000 mg

Capacity and Volume

1 litre = 1000 ml

1 cl = 10 ml

 $1 \text{ m}^3 = 1000 \text{ litres}$ 

 $1 \text{ cm}^3 = 1 \text{ ml}$ 

Kilo- meaning one thousand
Centi- meaning one hundredth
Milli- meaning one thousandth
Micro- meaning one millionth

1 foot = 12 inches

1 vard = 3 feet

1 mile = 1760 yards

1 pound = 16 ounces

1 stone = 14 pounds

1 ton = 160 stones

Metric	Imperial
2.5 cm	1 inch
8 km	5 miles
1 เชา	39 inches
30 cm	1 foot
1 kg	2.2 pounds
4.5 litres	1 gallon
1 litre	1.75 pints
4.5 litres	1 gallon

## Parts of a Circle

