



Mathematics

SOUTH HIENDLEY PRIMARY SCHOOL

Subject Leader: Mrs H. Reed

What is maths?

Mathematics is the study of numbers, shapes and patterns. The **word** comes from the Greek **word** "μάθημα" (máthema), meaning "science, knowledge, or learning", and is sometimes shortened to **maths** (in England, Australia, Ireland, and New Zealand) or **math** (in the United States and Canada).

Famous Mathematicians

Alan Turing

(Father of Theoretical Computer Science and Artificial Intelligence)



Birthdate: June 23, 1912

Sun Sign: Cancer

Birthplace: Maida Vale, London, England

Died: June 7, 1954

Regarded as the father of computer science and artificial intelligence, Alan Turing was a distinguished mathematician and logician. During WWII, he successfully broke the challenging German Enigma machine codes thereby reducing the duration of war by a couple of years. The scientist, who was convicted for being gay, has been an inspiration for numerous films, plays and novels.

Ada Lovelace

(Countess of Lovelace)



Birthdate: December 10, 1815

Sun Sign: Sagittarius

Birthplace: London

Died: November 27, 1852

Ada Lovelace was a mathematician known for her work on the *Analytical Engine*, a mechanical general-purpose computer proposed by Charles Babbage. Many believe that Lovelace was the first to recognize the potential of computers. It is also believed that she published the first algorithm after realizing that the algorithm could be carried out by a machine like the *Analytical Engine*.

Aryabhata



Birthdate: 0476 AD

Birthplace: Assaka

Died: 0550 AD

Indian mathematician and astronomer Aryabhata pioneered the concept of “zero” and used it in his “place value system.” He had also worked on the approximation of pi and laid down the basic concepts of trigonometry, such as sine and cosine. He also mentioned that the Earth rotates on its axis.

Pythagoras

Famous for his theories about shapes and triangles.



What is maths?



Calculating

adding
subtracting
dividing
multiplying

Counting

things
people
years
days
sheep

Changes

faster
slower
taller
heavier
longer

Shape

2D, 3D
designing
drawing
building

Games

puzzles
points
scores
personal best

Money

jobs
buying
selling
bills
pocket money
tax

Time

hours
minutes
seconds
milliseconds
time zones

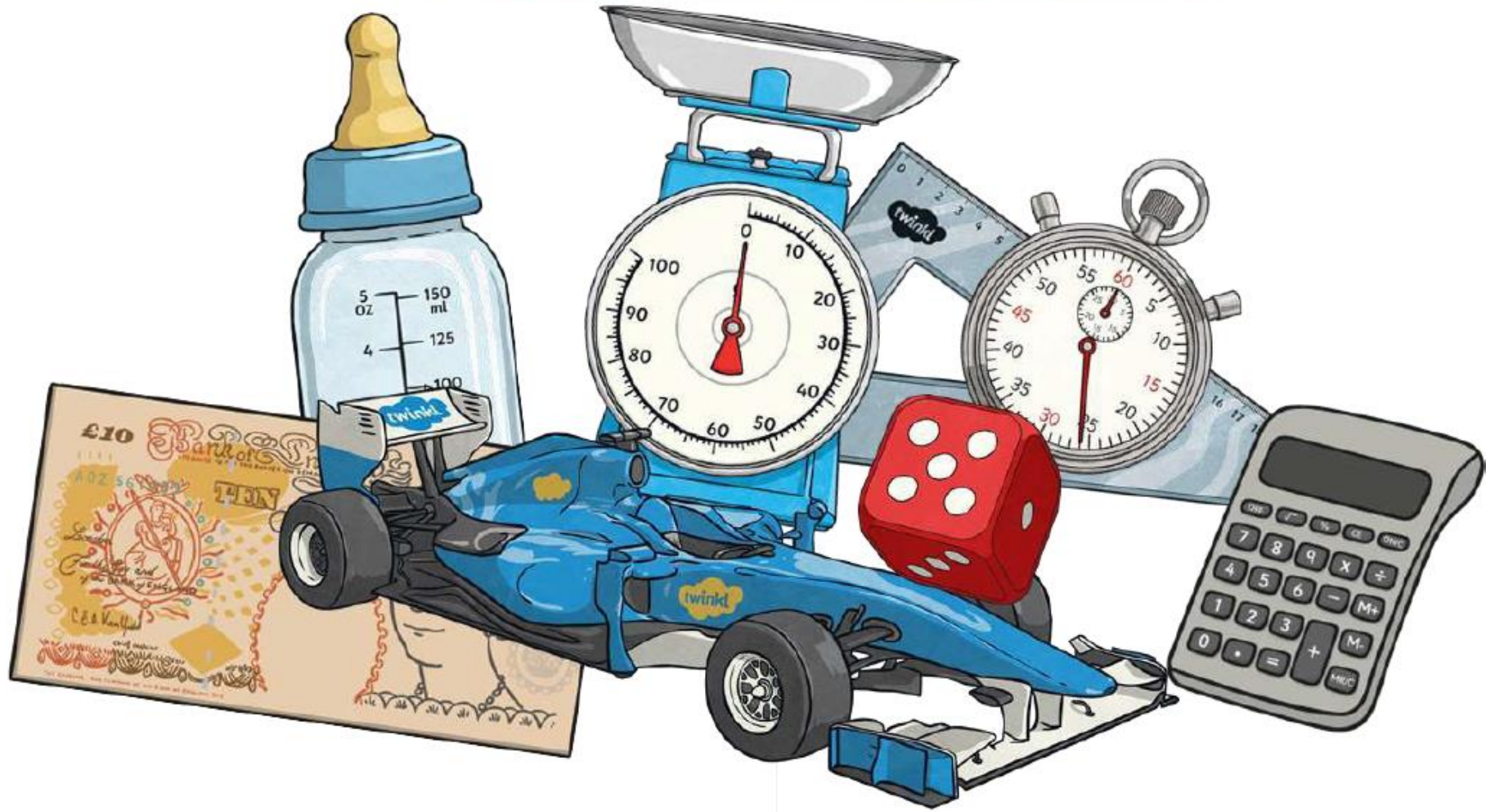
Measures

height
length
weight
distance

Problem Solving

How much?
How many?
How long?

Maths is everywhere!

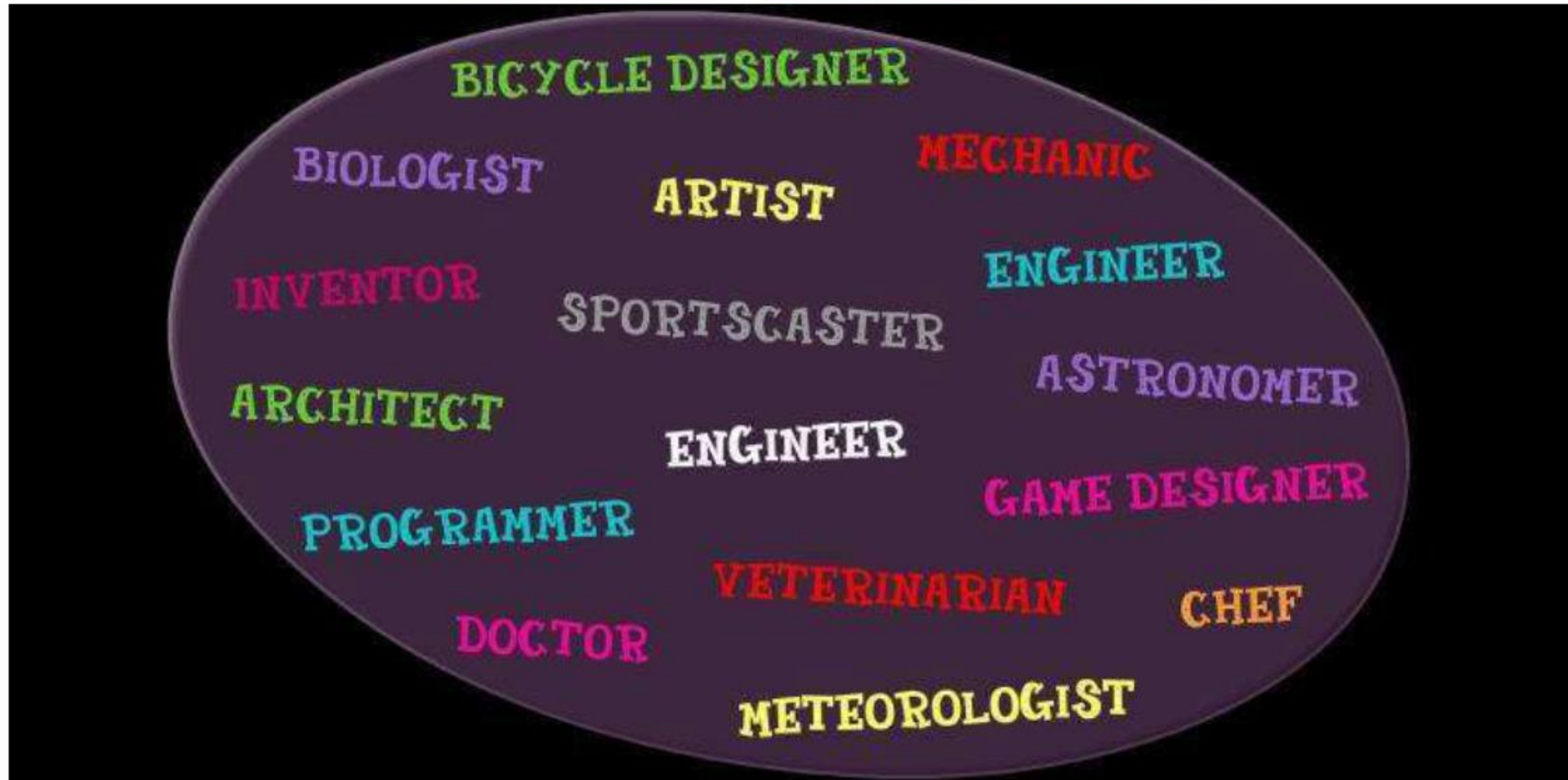


Think of a job which doesn't need
maths

Everyone uses maths!



Jobs involving maths!



Skills needed to be a good mathematician

- ▶ A problem solver
- ▶ Be able to look for solutions
- ▶ Be resilient
- ▶ Have a go!
- ▶ Learn facts
- ▶ Follow rules

How can I get better at maths?

Practice!

Puzzles

Measure
ingredients

Play
games

Calculate
cost of
shopping

Bus/Train
timetables


How can I get better at maths?

[Times Tables Rock Stars \(ttrockstars.com\)](http://ttrockstars.com)

[Numbots Game](#)

[Hit the Button - Quick fire maths practise for 6-11 year olds \(topmarks.co.uk\)](#)

[Home - BBC Bitesize](#)



Education is not the learning
of facts, but the training of the
mind to think. —Albert Einstein

