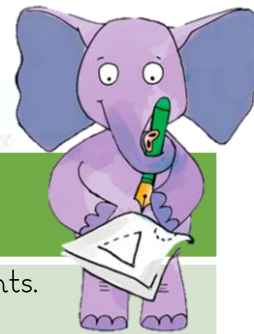


$$2+3=5$$

maths

# Maths, Year 1, Spring 2

This term I will be learning and practising



Unit II:  
Measures:  
Length and  
Mass.

I can compare, describe and solve practical problem for: lengths and heights. For example, long/short, double/half.

I can measure and begin to record the following: lengths and heights; mass/weight.

## STAR Words

Unit II -  
Length  
and Mass

length	A linear measurement
height	How tall something is from the bottom to the top.
long	An adjective used to describe length.
longer	One thing has more length than another.
longest	The thing that has the most length in a group of things.
short	An adjective used to describe length.
shorter	Something is less tall or less long than another.
shortest	Something that is the least tall or least long in a group.
tall	Measuring a specific distance from top to bottom.
taller	One person or thing is higher than another.
tallest	The person or thing that is the tallest in a group.
higher	A thing is up more than another.
lower	A thing is down more than another.
size	An element's overall dimensions or magnitude.
measure	To find the size of something in a given unit.
measurement	Is how we find out how big long, high or heavy something is.
about	Not exact but close to the right amount.
nearly	Almost there but not quite. For example, the water is nearly full.

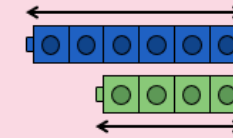
## Comparing lengths

My train is six cubes long.

My train is four cubes long.

My train is **longer** than yours.

My train is **shorter** than yours.



longer



shorter

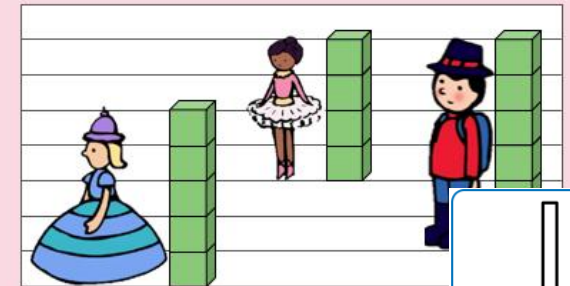
height long longer longest short shorter shortest tall taller tallest higher lower

Talk Task

## Who is the tallest?

Who is the shortest?

How tall is the ballerina?



tallest

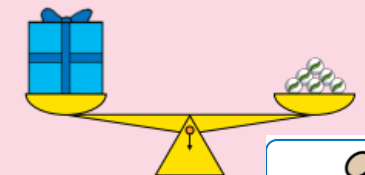
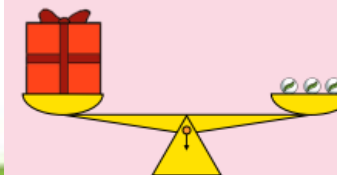


shortest

Plenary

## Which present is heavier?

How do you know?



What do you notice about the number of marbles on each balance?



heavier

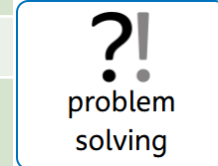
Plenary

# STAR Words



## Unit 11 - Length and Mass

roughly	No exact, just an estimate.
close to	Almost the same or very near.
metre	A standard unit of measure, equal to 100 centimetres.
estimate	An appropriately accurate guess, depending on the context and numbers involved.
quarter	One of four equal parts of a shape, quantity or object.
half	One of two equal parts of a shape, quantity or object.
double	To multiply by two or add a value to itself.
balance	A measuring tool used to weigh objects. It has two dishes hanging on a bar. Both dishes will be level when the contents weigh the same.
heavy	Something that is hard to lift or needs lots of strength.
heavier	More heavy than something else.
heaviest	The most heavy item in a group.
light	Something that is easy to lift or does not weight much.
lighter	Less heavy than something else.
lightest	The least heavy in a group.
level	Flat or at the same height.
weigh	To find out how heavy something is.
weight	The force exerted on an object by gravity. Weight therefore changes with a change in gravitational force.
mass	A measure relating to the amount of matter within a given object.
guess	To give an idea when you are not sure.
predict	To say what you think will happen next.
as heavy as	Two things weight the same amount.

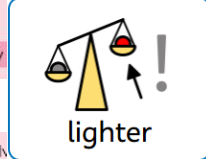


### Heavier or lighter than a kilogram

I think that the bag of flour is heavier than one kilogram because it feels heavier.

I think that the pack of pencils feels lighter than one kilogram.

mass weight heavier lighter as heavy

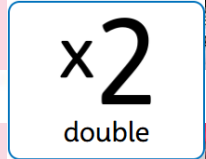


**Key Learning:** To solve problems that involve doubling and halving.

Which rod is double the length of the purple rod?

Two purple rods are longer than a dark green rod. The dark green rod is shorter than double the length of a purple rod.

What other doubles can you find?



### Problem solving

What would the balance look like if I put the bag of flour on one side and the milk on the other?

Which is heavier, three cartons of milk or a bag of flour?

Which is heavier, three cartons of milk or two bags of flour?

Task Task

Independent Task

Plenary