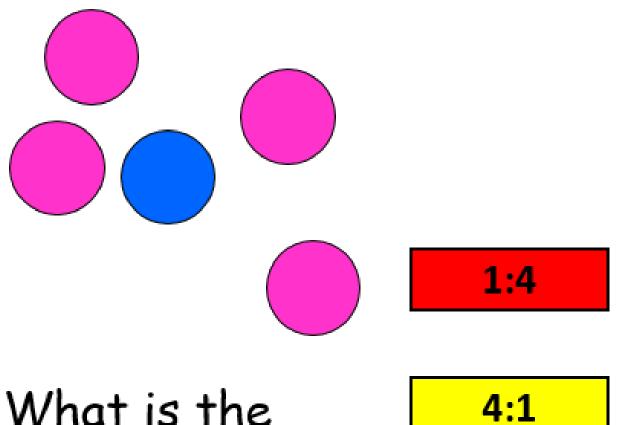
Lesson 4- Ratio

What do you need?

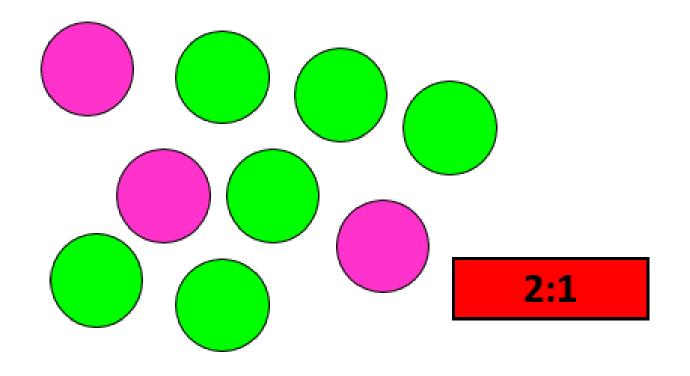
Pen, Paper and a calculator!

Blue Zone Going slow	Green Zone Good to go	Yellow Zone Caution Starting to lose control	Red Zone Stop! Out of control
E.g. sad, sick, tired, bored	E.g. happy, calm, focused, ok	E.g. worried, excited, annoyed	E.g. angry, terrified, elated



What is the ratio of Pink to Blue circles?

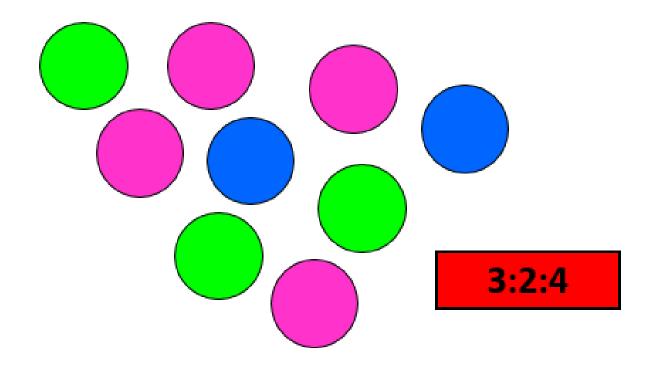
1/4



What is the ratio of Green to Pink circles?

3:6

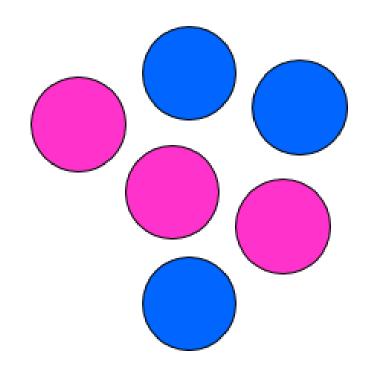
3 in 6



What is the ratio of Green to Blue to Pink circles?

3:4:2

4:3:2



What is the ratio of Blue to Pink circles?

3 to 3

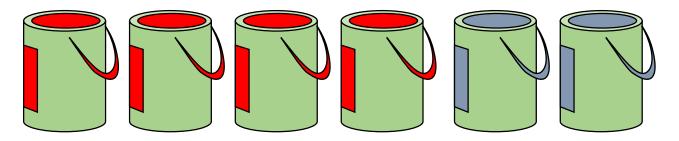
3:3

1:1

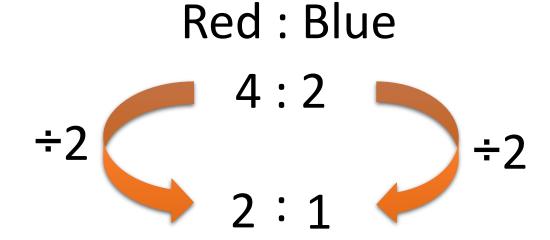


Visual Example 1:

Ben the painter needs 6 litres of dark purple, he uses 4 litres of red paint and 2 litres of blue paint.



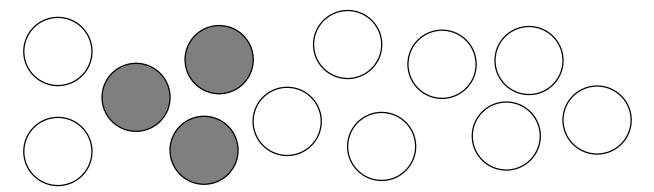
Write the ratio of the number of red tins to the number of blue tins in its simplest form.



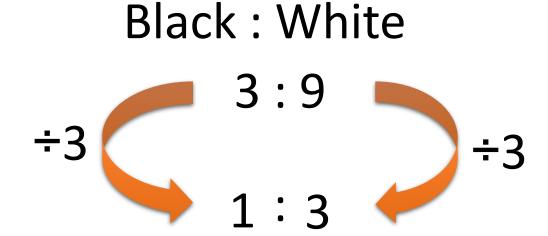
Ratios

Visual Example 2:

Sarah has a number of white and black counters in a bag..



Write the ratio of the number of black counters to the number of white counters in its simplest form.



24/06/2020

Examples:

Ratios

E.g. 1

Simplify 25:30

÷ 5 25 : 30 > 5

E.g. 2

Simplify 48: 32

This can be done in one step by dividing by 16

E.g. 3

Simplify 75p: £1.25

75p : £1.25

•75p : 125p

3:5

Change to the same units before simplifying and drop the units

Ratios

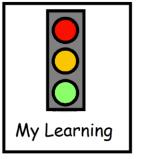
Exercise One:

1	Simplify the following expressions									
а	6:21 b	18 : 27	c 14 :	56	d	108 : 144	е	3	5 : 56 : 49	
	2:7	2:3	1:	4		3:4			5:8:7	
2	Simplify the fo									
а	4cm : 20mm	60cm :	60cm : 1.20m		3kg	3kg : 1200g		2hrs: 80 mins		
	4:2	1	: 2		5:2				3:2	
3	125 men and 150 v									
	women in its simpl		3:2							
4	A painter mixes 65	s as								
	a ratio of red to blu		13:3							
5	A model of a plane is 30cm. The real plane is 10m. Write this as a ratio of									
	model to real life in its simplest form.									
6	A recipe contains 0.5 kg of sugar and 40g of butter. Write this as a ratio of									
	Butter to Sugar in its simplest form.									

Don't Forget!!!

There is work to check your understanding and help you practice on the school website!

You can do this on any piece of paper – just make sure you ask an adult at home to send me your answers so I can mark them ☺



Traffic light your work today.

Thumbs down-I don't understand it

Thumbs across- I understand some of it

Thumbs up- I understand all of it