



HELLO!

Today we are going to revise ratio



Arithmetic Warm Up



Revision on ratio



Today we are going to revise how to:



to write, multiply and divide ratios



to solve problems using ratio



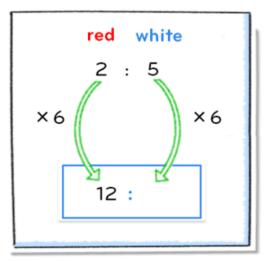
Revision: Ratios using multiplication

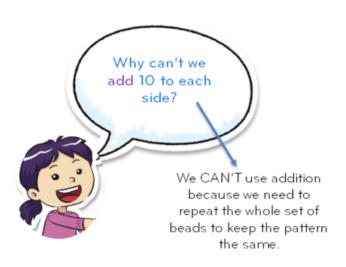
The ratio of red beads to white beads is 2:5



If there are 12 red beads in this **pattern**, how many white beads will there be?

We solve this using multiplication.





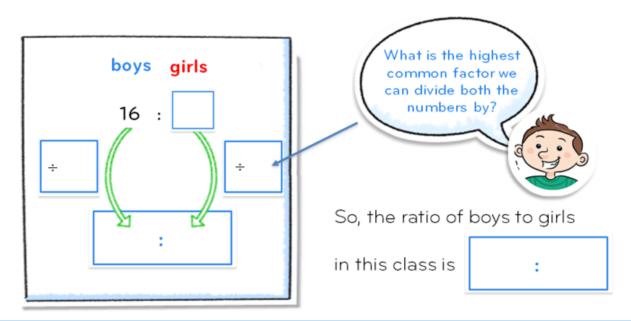


Revision: Ratios using division

We can also solve similar problems using division.

There are 28 children in a class.

- a) There are 16 boys; how many girls are there?
- b) What is the ratio of boys to girls written in its simplest form?





Question 1



- 1. What do you <u>notice</u>?
- 2. What do you know?
- Can you show your working out?
- 4. How could you <u>extend</u> the question?

Two numbers are in the ratio 4:5 One of the numbers is 60

There are **two possible values** for the other number. What are the two possible values?



Question 2



- 1. What do you notice?
- 2. What do you know?
- Can you show your working out?
- 4. How could you <u>extend</u> the question?

David and his friends prepare a picnic.

Each person at the picnic will get:

- 3 sandwiches
- 2 bananas
- 1 packet of crisps

The children pack 45 sandwiches.

How many bananas do they pack?





Question 3



2. What do you know?

Can you show your working out?

4. How could you <u>extend</u> the question?



Complete

Tesco sells a pack of 4 crumpets. If they use 5 cups of crumpet mixture to make 2 crumpets, how many full packs of crumpets can be made from 15 cups of crumpet mixture?





Let's review:





to write, multiply and divide ratios



to solve problems using ratio

Draw a circle around the smiley face to show how you feel about what we've just been doing.









CHALLENGE

- 1. What do you notice?
- 2. What do you know?
- 3. Can you show your working out?
 - 4. How could you <u>extend</u> the question?



Complete

 $\frac{1}{3}$ cup of kernels makes 50g of popcorn,

how much popcorn could you make with 4 cups

of kernels?



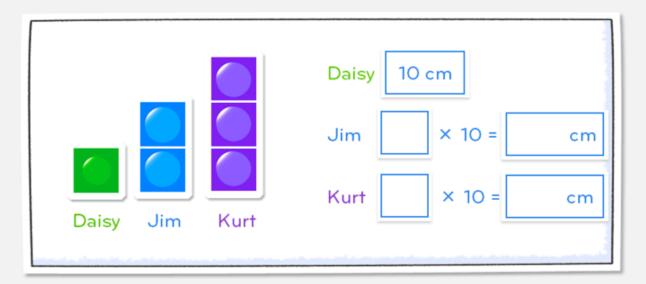


Increasing quantities

Daisy's tower is 10cm tall.

Jim's tower is twice as tall as Daisy's.

Kurt's tower is three times as tall as Daisy's.

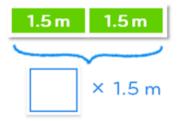




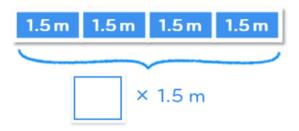
Increasing quantities

Kate's skipping rope is 1.5 metres long.

Rose's skipping rope is twice as long.



Jane's skipping rope is four times as long.



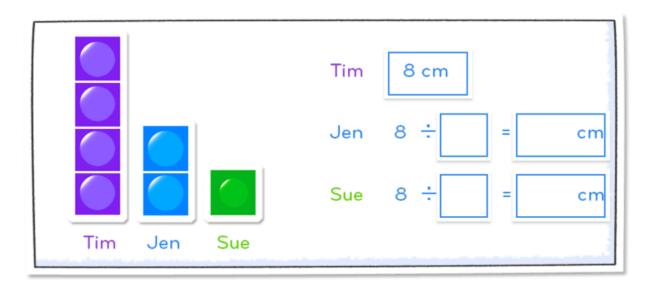


Decreasing quantities

Tim's tower is 8cm tall.

Jen's tower is half as tall as Tim's.

Sue's tower is one quarter as tall as Tim's.



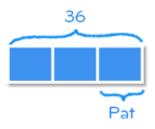


Decreasing quantities

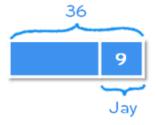


Dinesh has 36 stickers.

Pat has one third as many stickers as Dinesh.



How many stickers does Pat have?





as many stickers as Dinesh.