

If a problem said...

The ratio of red to green marbles is 3:4

Draw a bar model to represent the marbles.

I would draw this...



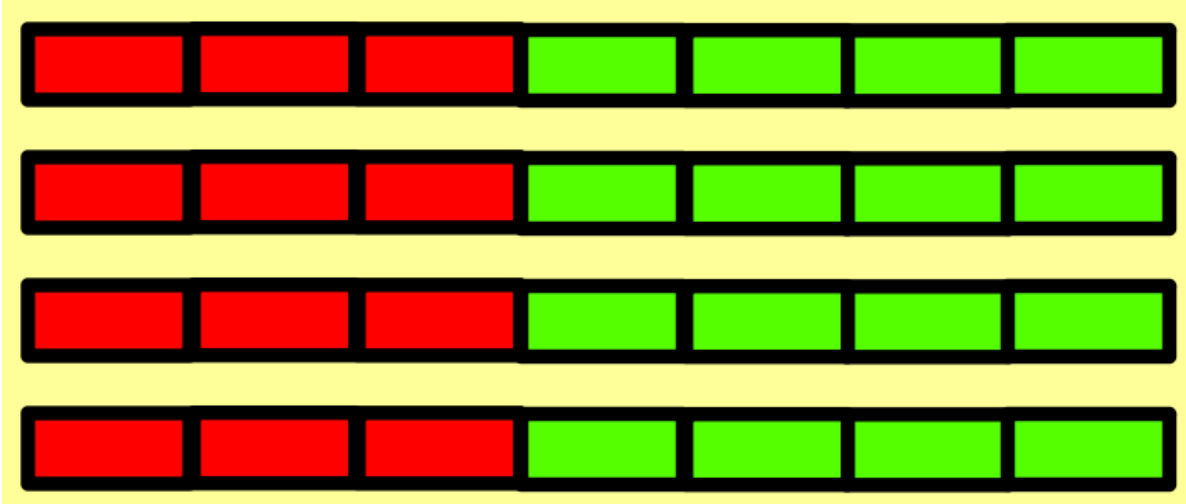
However, sometimes we are told the total number of objects, so we have to draw lots of bar models!

If a problem said...

The ratio of red to green marbles is 3:4

I have 28 marbles. How many are green?

I would draw this...



Why?

Because I know $3+4=7$. I then drew 4 lots of 7 to make the total number of marbles, which was 28. Then I could count how many green marbles there are.

Have a go at these other problems, drawing whatever you need to help you.

A farmer plants some crops in a field.
For every 4 carrots he plants 2 leeks.
He plants 48 carrots in total.
How many leeks did he plant?
How many vegetables did he plant in total?



Jack mixes 2 parts of red paint with 3 parts blue paint to make purple paint.
If he uses 12 parts blue paint, how many parts red paint does he use?

Eva has a packet of sweets.
For every 3 red sweets there are 5 green sweets.
If there are 32 sweets in the packet in total,
how many of each colour are there?
You can use a bar model to help you.

