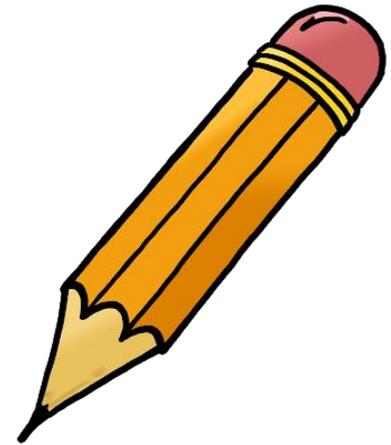


Year 6

Home learning

Maths

Day 5. Ratio



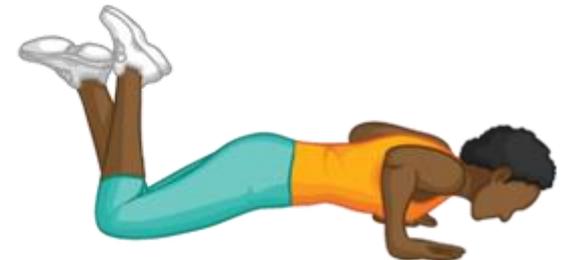
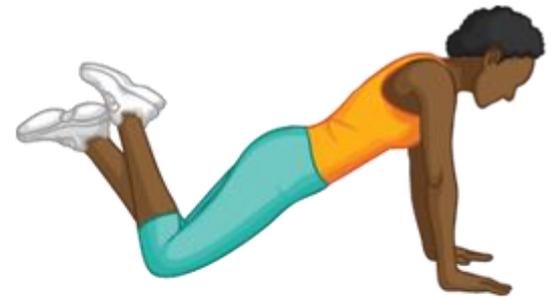
Maths: Active

Perform press ups on your knees (on a mat or soft surface) while you recite a times table you find challenging, for example:

1 x 8 = , 2 x 8 = up to 12 x 8 =

Can you do it backwards?

12 x 8 =, 11 x 8 = ...



Maths: Ratio revision

Today we will learn and revise how to share an amount into a ratio.
For example: Harry and Dele work for a week at their uncle's farm.

They earn £200 between them and share this in the ratio of 3:2.



**You can represent
this as a bar model.**



How can we use this information to work out how much Harry and Dele each receive?

$$\mathbf{£200 \div 5 = £40}$$

$$\mathbf{£40 \times 3 = £120 \text{ (Freddie)}}$$

$$\mathbf{£40 \times 2 = £80 \text{ (Alfie)}}$$

Maths: Ratio revision

How to share 30 sweets into a ratio of 2 : 3.



Step 1 – add the parts of the ratio - 2 parts + 3 parts = 5 parts

Step 2 – divide the whole by the parts - 30 sweets \div 5 parts = 6 sweets per part

Step 3 – times each side of the ratio by the amount in each part (step 2 shows there are 5 sweets in each of the 5 parts.

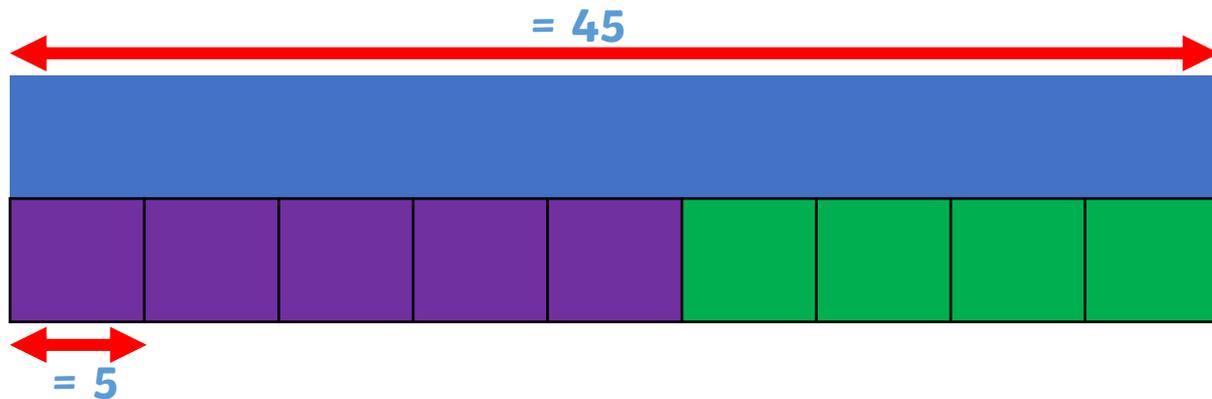
$$2 \times 6 = 12 \text{ sweets}$$

$$3 \times 6 = 18 \text{ sweets}$$

Maths: Ratio revision



1. Can you share 45 sweets into a ratio of **5 : 4**



5 parts + 4 parts = 9 parts

45 sweets \div 9 parts = how many sweets in each part?

5 x ? sweets = 25 sweets

4 x ? sweets = 20 sweets

Maths: Ratio revision



2. Can you share bananas in a ratio of 7 : 3?



110 Bananas



50 Bananas



20 Bananas

Remember to;

1. Add up the ratios.
2. Find one share.
3. Multiply ratios by this answer.



Maths: Ratio revision



3. Can you share carrots in a ratio of 3 : 2?



65 carrots



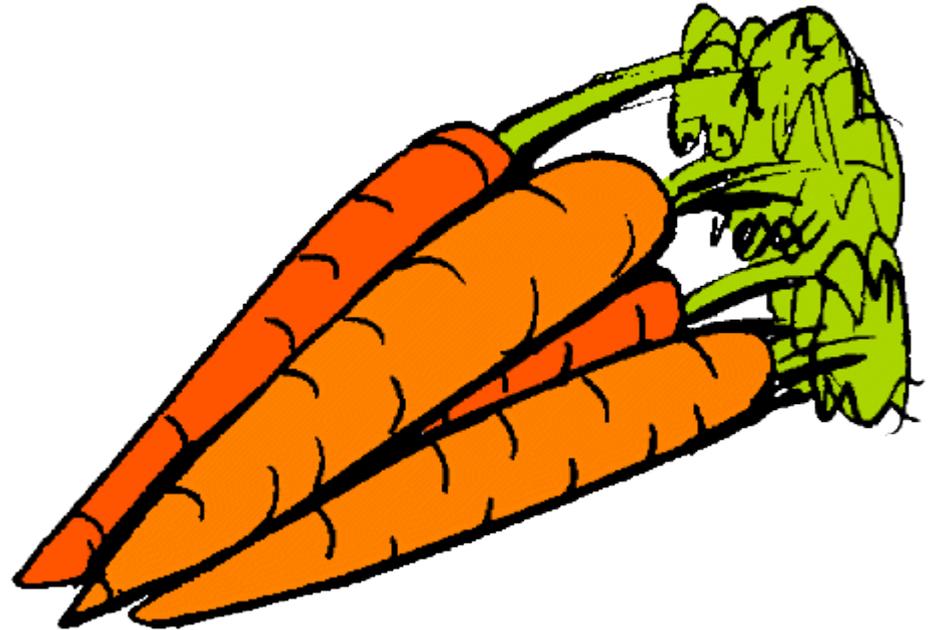
40 carrots



20 carrots

Remember to;

1. Add up the ratios.
2. Find one share.
3. Multiply ratios by this answer.



Maths: Ratio revision



EXT: Can you share children entering Hogwarts in a ratio of 3 : 2 : 4 : 1?



90 children



50 children



30 children

Remember to;

1. Add up the ratios.
2. Find one share.
3. Multiply ratios by this answer.



Riddle of the Day

Yesterday's answer: a piano!

Riddle: Where does Friday come before
Thursday?

