

Year 6 – Spring Block 6 – Ratio

Howdy, Year 6 – it's Thursday 30th April 2020

Part 3

WALT Calculate Ratio

Follow this presentation and make notes and answer the questions as you go.

Problem Solving 1

Mary is making buns for her birthday party but has limited ingredients.

For every 3 chocolate buns, she makes 2 vanilla buns.

There are 66 people at the party and $\frac{1}{3}$ of the people want a vanilla bun.

How many chocolate buns will Mary make?

How many people will not receive a bun?

Problem Solving 1

Mary is making buns for her birthday party but has limited ingredients.

For every 3 chocolate buns, she makes 2 vanilla buns.

There are 66 people at the party and $\frac{1}{3}$ of the people want a vanilla bun.

How many chocolate buns will Mary make?

33

How many people will not receive a bun?

11

Reasoning 1

A cashier is sorting the money in the till.
He works out the ratio of £5 notes to £10 notes is 2:1

Have the notes been sorted correctly?



Explain your answer.

Reasoning 1

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Have the notes been sorted correctly?



Explain your answer.
No because...

Reasoning 1

A cashier is sorting the money in the till.
He works out the ratio of £5 notes to £10 notes is 2:1

Have the notes been sorted correctly?



Explain your answer.

No because there are 1 too many £10 notes (or there needs to be 2 more £5 notes).

Problem Solving 2

For every blue front door on the row of terraces, there are 2 red doors. There are 12 blue doors altogether.

One third of the red doors are repainted blue.

What is the new ratio of blue doors to red doors?

How many red doors are there altogether?

Problem Solving 2

For every blue front door on the row of terraces, there are 2 red doors. There are 12 blue doors altogether.

One third of the red doors are repainted blue.

What is the new ratio of blue doors to red doors?

20:16 (accept 5:4)

How many red doors are there altogether?

16

Well done! It's over to you now.

Go to Part 4 and choose your Star Challenge! Normal rules apply: page 1 will give you an easier challenge, page 2 will be about the same as what we've just practised and page 3 will be more of a stretch.

You only need to do the first three questions on your chosen Star Challenge – the ones on the left-hand side. If you want extra practice, you can then do the three questions on the right hand side of your chosen challenge page. When you finish, don't forget to mark your answers before sharing, so I can see where you need help.