

Year 6 – Spring Block 6 – Ratio

Hi Year 6 – it's Wednesday 29th April 2020

Part 3

WALT use the Ratio Symbol
Follow this presentation and make notes and answer the questions as you go.

Reasoning 1

This machine turns sentences into ratios.

**For every 5 red cars,
there is 1 blue car.
There are three
times as many white
cars as blue cars.**



2:3:5

Could this ratio be correct? Convince me.

Reasoning 1

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**For every 5 red cars,
there is 1 blue car.
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times as many white
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2:3:5

Could this ratio be correct? Convince me.

No because...

Reasoning 1

This machine turns sentences into ratios.

For every 5 red cars,
there is 1 blue car.
There are three
times as many white
cars as blue cars.



Could this ratio be correct? Convince me.

No because the ratio of red cars to blue cars to white cars would be 5:1:3.

Reasoning 2

Each child's statement is correct.



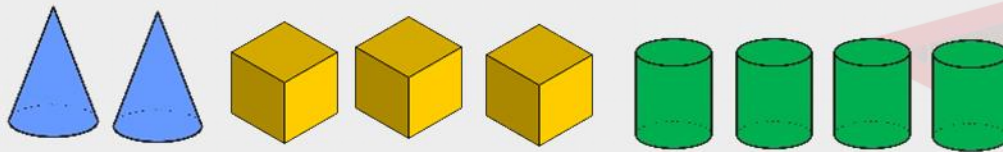
Kimiko

The ratio is 4:3.

The fraction is $\frac{2}{9}$.



Sasha



Explain how this is possible.

Reasoning 2

Each child's statement is correct.



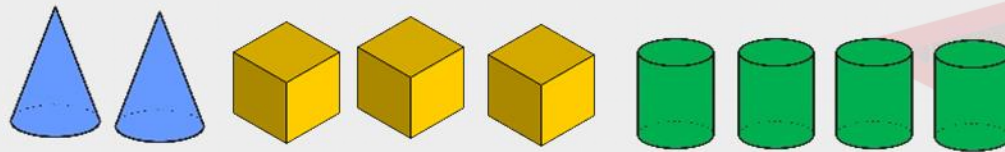
Kimiko

The ratio is 4:3.

The fraction is $\frac{2}{9}$.



Sasha



Explain how this is possible.

Kimiko is describing the ratio...

Sasha is describing what proportion...

Reasoning 2

Each child's statement is correct.



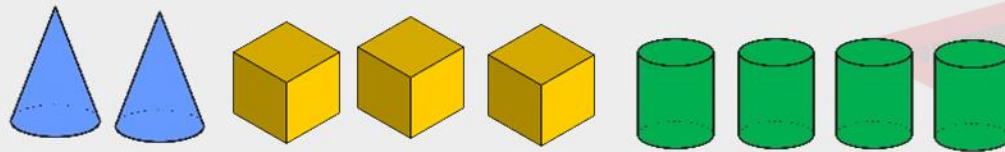
Kimiko

The ratio is 4:3.

The fraction is $\frac{2}{9}$.



Sasha



Explain how this is possible.

**Kimiko is describing the ratio of cylinders to cubes.
Sasha is describing what proportion of the shapes are cones.**

Problem Solving 1

In a box of 15 chocolates, $\frac{3}{5}$ are milk chocolate. The rest are white or dark chocolate.

Write down three solutions for the possible ratio of white to milk to dark chocolate.

Draw counters to support your answers.

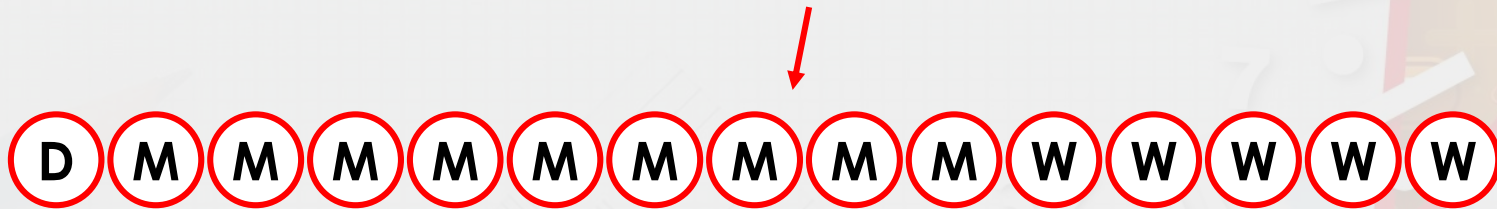
Problem Solving 1

In a box of 15 chocolates, $\frac{3}{5}$ are milk chocolate. The rest are white or dark chocolate.

Write down three solutions for the possible ratio of white to milk to dark chocolate.

Draw counters to support your answers.

Possible answers include: 1:9:5, 2:9:4, 3:9:3, 4:9:2, 5:9:1



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.