

Spring: Block Six

Ratio

Lesson Three:

Lesson Objective: To understand and use the symbol for ratio.

ANCHOR TASK:

Complete the following sentences.



For every _____ backpacks there are _____ books.

If I had 10 back packs, I would have _____ books.

MATHEMATICAL FLUENCY:

Complete the sentences.



There are ____ red squares.

There are ____ blue squares.

The ratio of red squares to blue squares is ____:

MATHEMATICAL FLUENCY:

Complete the sentences.



There are ____ yellow squares.

There are ____ purple squares.

The ratio of yellow squares to blue squares is ____:

MATHEMATICAL FLUENCY:

Complete the sentences.



There are ____ black squares.

There are ____ white squares.

The ratio of black squares to white squares is ____:

MATHEMATICAL FLUENCY:

Here are the ingredients for a smoothie.



Write down the ratio of:

- Bananas to strawberries
- Strawberries to bananas to grapes
- Grapes to pears to bananas
- Apples to pears.

MATHEMATICAL FLUENCY:

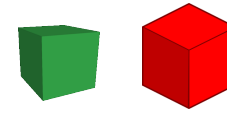
Here are the ingredients for a smoothie.



Write down the ratio of:

- Bananas to strawberries
- Strawberries to bananas to grapes
- Grapes to pears to bananas
- Apples to pears.

MATHEMATICAL FLUENCY:



The ratio of red to green cubes is 2 : 5.

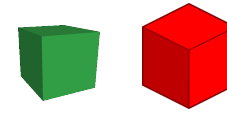
Draw an image to represent cubes

.

What fraction of the cubes are red?

What fraction of the cubes are green?

MATHEMATICAL FLUENCY:



The ratio of red to green cubes is 4 : 9.

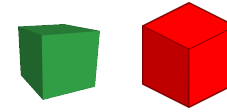
Draw an image to represent cubes

.

What fraction of the cubes are red?

What fraction of the cubes are green?

MATHEMATICAL FLUENCY:



The ratio of red to green cubes is 5 : 11.

Draw an image to represent cubes

.

What fraction of the cubes are red?

What fraction of the cubes are green?

REASONING AND PROBLEM SOLVING:

You can buy 3 pots of banana yoghurt for £2.40 .

How much will it cost to buy 12 pots of banana yoghurt?

REASONING AND PROBLEM SOLVING:

A child's bus ticket costs £3.70 and an adult bus ticket costs twice as much.

How much does an adult bus ticket cost?

Use a bar model to support your answer.

REASONING AND PROBLEM SOLVING:

Sam has 9 fewer sweets than Sarah. They have 35 sweets altogether.

How many sweets does Sam have?

Use a bar model to support your answer.