# Year 6 – Spring Block 6 – Ratio – Introducing the Ratio Symbol

## About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

## National Curriculum Objectives:

Mathematics Year 6: (6R1) Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts

## More Year 6 Ratio resources.

## Did you like this resource? Don't forget to review it on our website.

Year 6 – Spring Block 6 – Ratio

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

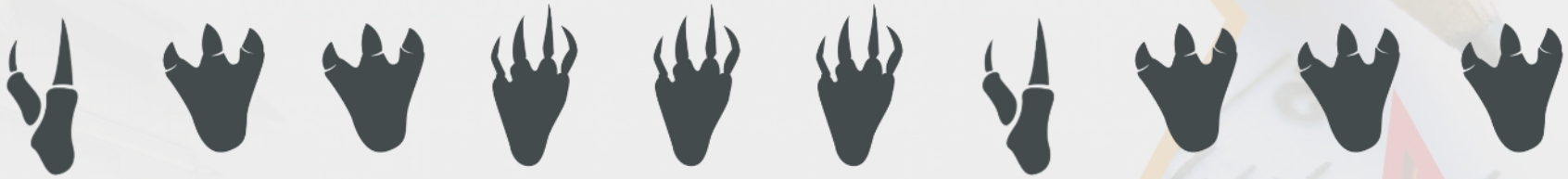
## Part 1

# WALT use the Ratio Symbol

*Follow this presentation and make notes and answer the questions as you go. Ideally, aim to do parts 1-4 of this lesson, but if you are unable to finish, try to ensure you complete parts 1 and 2 of this lesson – this presentation and the first set of challenges.*

## Introduction

**Zack discovered these footprints in the forest.**



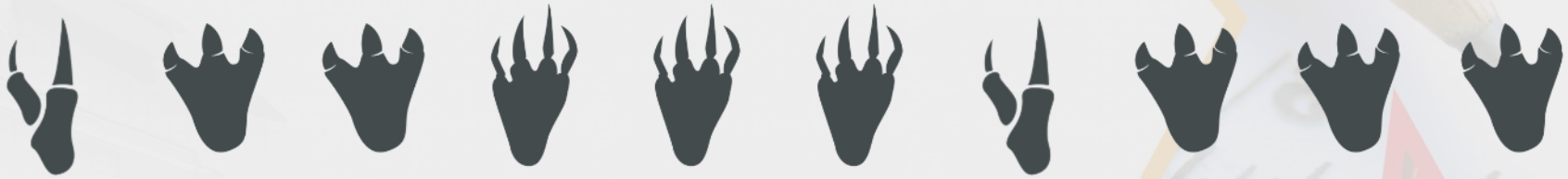
**Complete the statements.**

**For every three footprints with four toes, there are ____ footprints with three toes.**

**For every two footprints with two toes, there are three footprints with ____ toes.**

## Introduction

Zack discovered these footprints in the forest.



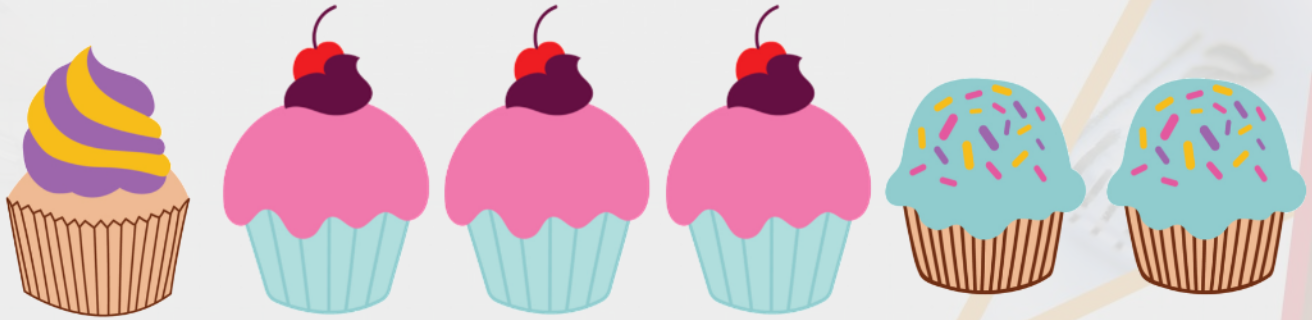
Complete the statements.

For every three footprints with four toes, there are five footprints with three toes.

For every two footprints with two toes, there are three footprints with four toes.

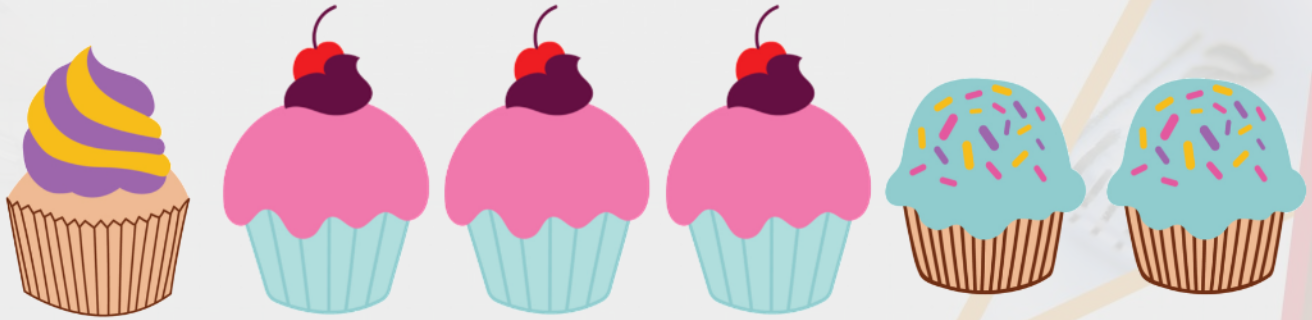
## Varied Fluency 1

**True or false? The ratio of cupcakes with sprinkles to cupcakes with a cherry is 3:1.**



## Varied Fluency 1

**True or false? The ratio of cupcakes with sprinkles to cupcakes with a cherry is 3:1.**



**False; it is 2:3.**

## Varied Fluency 2

**Match the statements that mean the same thing.**

| | |
|---|---|
| 5:2 oranges to apples | For every 2 apples, there are 5 oranges. |
| 2:5 oranges to apples | For every 5 oranges, there is 1 apple. |
| 5:1 oranges to apples | For every 2 oranges, there are 5 apples. |

## Varied Fluency 2

**Match the statements that mean the same thing.**

| | |
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| 5:2 oranges to apples | For every 2 apples, there are 5 oranges. |
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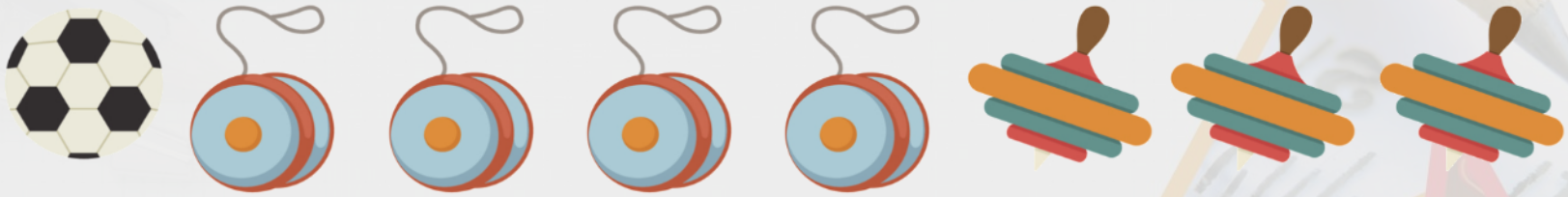
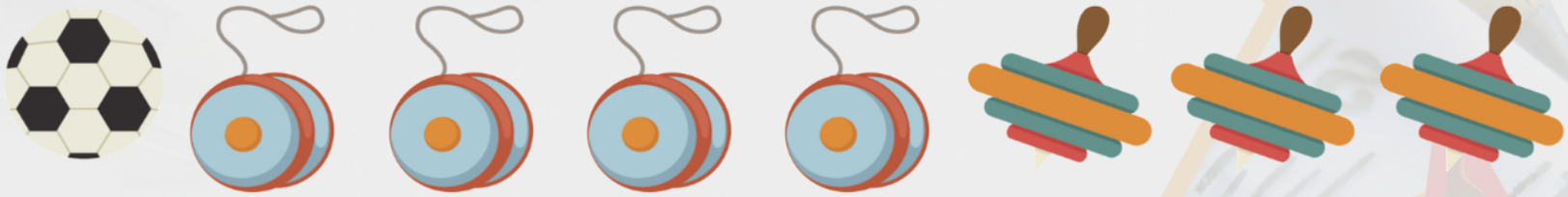
## Varied Fluency 3

**Write a statement to describe the ratio 4:1 shown below.**



## Varied Fluency 3

**Write a statement to describe the ratio 4:1 shown below.**



There are 4 yoyos for every football.

## Varied Fluency 4

**Circle the odd one out by matching the ratios to the description.**

| | |
|---|---|
| 10:4 | Speckled fish to striped fish to plain fish |
| 2:10:4 | |
| 4:2:10 | Striped fish to plain fish |

## Varied Fluency 4

**Circle the odd one out by matching the ratios to the description.**

| | |
|---|---|
| 10:4 | Speckled fish to striped fish to plain fish |
| 2:10:4 | Striped fish to plain fish |
| 4:2:10 | |

# Well done! It's over to you now.

Go to Part 2 and choose your 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 four questions on your chosen challenge – the ones on the left-hand side. If you want extra practice, you can then do the four 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.