

Year 6 – Spring Block 6 – Ratio – Ratio and Fractions

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](#)

Mathematics Year 6: (6R4) [Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples](#)

More [Year 6 Ratio](#) resources.

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

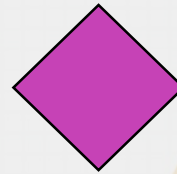
Part 1

WALT understand Ratio and Fractions

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

Complete the sentence to describe the objects below.



There are _____ for every _____.

Introduction

Complete the sentence to describe the objects below.



There are **4 lightning bolts** for every **3 squares**.

Varied Fluency 1

Match the fraction of circles to the correct set of objects.

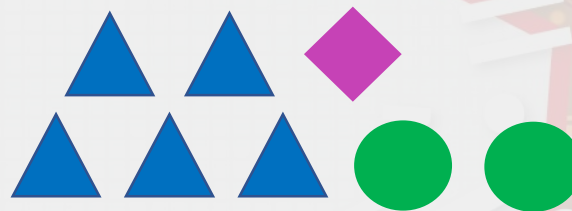
$$\frac{2}{5}$$



$$\frac{2}{8}$$

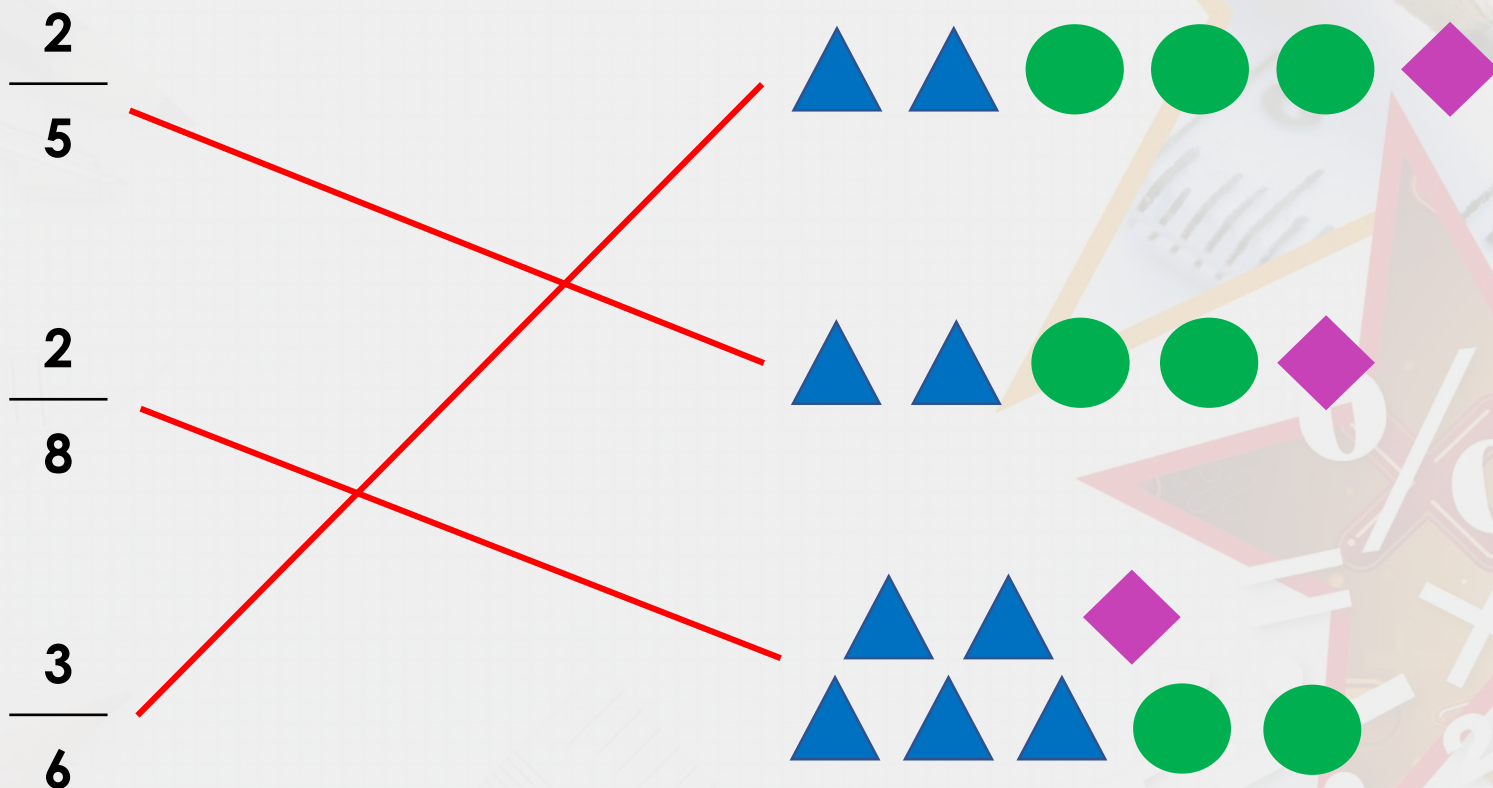


$$\frac{3}{6}$$



Varied Fluency 1

Match the fraction of circles to the correct set of objects.



Varied Fluency 2

True or false?

If there are 3 bananas for every 5 peaches, $\frac{3}{8}$ of the fruit are peaches.

Varied Fluency 2

True or false?

If there are 3 bananas for every 5 peaches, $\frac{3}{8}$ of the fruit are peaches.

False, $\frac{3}{8}$ of the fruit are bananas.

Varied Fluency 3

Complete the sentence below if $\frac{4}{9}$ are squares and $\frac{3}{9}$ are circles.



There are _____ squares for every _____ circles.

Varied Fluency 3

Complete the sentence below if $\frac{4}{9}$ are squares and $\frac{3}{9}$ are circles.



There are 4 squares for every 3 circles.



Varied Fluency 4

Use the statement below to complete the bar model.

There are 6 squares for every 2 circles.

	2

Write a fraction showing each quantity.

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Varied Fluency 4

Use the statement below to complete the bar model.

There are 6 squares for every 2 circles.



Write a fraction showing each quantity.

$$\square = \frac{6}{8} \quad \bullet = \frac{2}{8}$$

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.