

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](#)

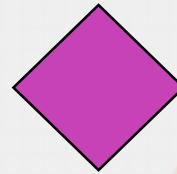
More [Year 6 Ratio](#) resources.

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

Step 2: Ratio and Fractions

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.

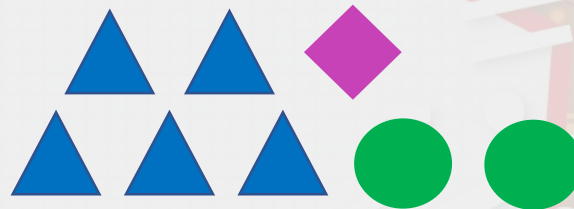
$$\frac{2}{5}$$



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



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



Varied Fluency 1

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

The image shows three fractions on the left and three sets of objects on the right. Red lines connect the fractions to the correct sets of objects.

Fraction	Object Set
$\frac{2}{5}$	Set 1: 2 blue triangles, 3 green circles, 1 purple diamond
$\frac{2}{8}$	Set 2: 2 blue triangles, 2 green circles, 1 purple diamond
$\frac{3}{6}$	Set 3: 5 blue triangles, 2 green circles, 1 purple diamond

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.



Write a fraction showing each quantity.

$$\square = \frac{\square}{\square} \quad \bullet = \frac{\square}{\square}$$

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.

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

Problem Solving 1

Gemma is making a bracelet using orange and blue beads.

Each bracelet contains 18 beads in total.

Write 5 pairs of fractions to show the possible ratio blue to orange beads.



Problem Solving 1

Gemma is making a bracelet using orange and blue beads.

Each bracelet contains 18 beads in total.

Write 5 pairs of fractions to show the possible ratio blue to orange beads.



Various answers, for example:

$\frac{11}{18}$ blue beads and $\frac{7}{18}$ orange beads