

There is a lot here Year 6. Work at your own pace and start at the level where you feel comfortable –challenge yourself too!

Maths Task 1: Revise Ratio and Proportion.

Key: M=developing/mild, S=expected/spicy, H=greater depth/hot

Day 1 Monday:

Look at these documents:

- 1 Ratio-And-Fractions **MSH**
- 2 Ratio-and-proportion **MSH**
- 2a Using-Ratio-Language **SH**

Answer the questions:

- 3 Ratio-And-Fractions questions 1 **MSH**
- 4 Ratio-And-Fractions questions 2 **MSH**

(there are three levels + answers at the end).

Day 2 Tuesday:

Look at the PowerPoint:

- 5 Ratio-and-proportion -problems 3 **MSH**

(Click on the correct answers-

Make sure you check any errors and don't move on until you understand your mistake).

Answer the questions:

- 6 Ratio Reasoning and Problem Solving **SH**

Day 3 Wednesday:

Answer the questions- Either:

- 7 Mild Ratio Problems **M**

Or

- 8 Ratio and Proportion Practise **MSH**

Day 4 Thursday:

Answer the questions- Either:

- 8 Ratio and Proportion Practise **MSH**

Or

- 9 Hot Ratio and Grouping; 9 Hot Ratio and Quantities and 9 Hot Ratio and Shape **H**

Day 5 Friday:

Well done you made it!

- Now draw a scale drawing of a room in your house (including the future) or garden. **M (1:100 1cm:100cm) S / H (1:50 or 1:200)**
- Look for a simple recipe and convert it to the correct proportions for your family. I have included a link for you to find a suitable soup recipe. Then, you can help make it for a family meal. **MSH**

<https://www.bbcgoodfood.com/howto/guide/best-soup-recipes-kids>

Maths Task 2: Revise Percentages

Day 6 Monday:

Look at these documents:

- 10 Percentage Power **MS**
- 11 Fractions to Percentages **SH**

Answer the questions:

- 12 Fractions-and-Decimals-Percentages-**MS**
- 13 Fractions-to-Percentages **MSH**
- 14 Fractions-to-Percentages Problems **SH**

Day 7 Tuesday:

- There are many good strategies for finding the percentage of an amount. Relating a percentage to its fraction equivalent is a useful strategy. For example, we know the percentage 50% is equivalent to $\frac{1}{2}$. This means to find 50% of a number we can find simply divide by 2.
- Finding 25% of a number is the equivalent of finding $\frac{1}{4}$ of a number so we can divide by 4.
- If we wish to find 10% of a number, we know that 10% is equivalent to $\frac{1}{10}$, so we can divide by 10.
- If we want to find 30% of a number, we can find 10% first then multiply our answer by 3.
- To find 5% we can find 10% of a number then halve the answer.

Answer the questions:

- 15 1%, 55, 10%, 25% Activity Sheet **MS** (5 sheets)
- 16 Percentage of an Amounts (1+2) **MSH**
- 17 % Problems **MS**
- 17 Pie Charts + % **H**
-

Day 8 Wednesday:

Answer the questions:

- 18 Fractions, Decimals and Percentages **MSH**

Day 9 Thursday:

Keep working your way through the resources **MS.**

Linking Ratio and Percentages

- 19 Problems Involving Percentages **H**

Day 10 Friday:

Put all your knowledge together with:

- 21 Fractions-Decimals-and-Percentages **MSH**