

Year 7 Ratio

Term 6 Ratio and Proportion



Students are learning about Ratio and proportion at this point in Year 7 because this topic brings in many previous strands of learning from different number topics such as fractions and decimals. It is important to come later in the year as it dives into some more complex maths.

Previous topic: Sequences

Next topic: Data handling

Next Ratio topic: Measures and conversion (year 8)

Core knowledge/skills/concepts

- Writing ratios from diagrams
- Selecting appropriate units for measuring length, mass and volume
- Equivalent ratios
- Writing a ratio in its simplest form
- Sharing an amount in a given ratio
- Converting between metric and imperial units for length, mass and volume
- Proportion and scaling problems, unitary method

Year 7 Maths

Term 6 Ratio and proportion



Essential vocabulary

equivalent
highest common factor
proportion
proportionality
ratio
simplest form
unitary method

Threshold concepts

Equivalent ratios
Selecting appropriate units for measuring length, mass and volume
Being able to simplify ratios
Proportion and scaling problems, unitary method

Opportunities for reading

Ratio involves many worded problems and students need to be able to unpick and recognise in which form the ratio is required.

How and when will the core learning be assessed?

Mid topic assessment and end of topic assessment

Links to other topics/subjects

Ratio heavily features in KS4 maths
Science: different combinations of elements to cause different reactions
PE: thinking about strike ratio in football for example