

WHAT DO WE ALREADY *know?*

- Understand and use ratio notation
- Divide an amount in a given ratio

Stage 8 – Proportional reasoning



- Express the division of a quantity into two or more parts as a ratio
- Compare lengths, area and volumes using ratio notation
- Identify and work with fractions in ratio problems

- Ratio
- Proportion
- Proportional
- Multiplier
- Speed
- Units
- Units Method
- Compound Units

Proportional reasoning - Targets	Before Topic	After Topic	Teacher Mark
Find a relevant multiplier in a situation involving proportion			
Identify direct proportion in a situation			
Understand and use the connections between ratios and fractions			
Solve problems involving division in a ratio with two or more parts			
Solve simple ratio problems involving mixing or concentrations			
Apply understanding of proportion to problems involving recipes			
Convert between units of speed and calculate average speed			