

# Stage 6 - Proportional reasoning

## KEYWORDS

### WHAT DO WE ALREADY *know*?

- Recall multiplication facts up to  $12 \times 12$
- Recall division facts up to  $12 \times 12$
- Find fraction of an amount
- Find multiples of a given number

## THE BIG PICTURE

- Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division
- Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples

- Proportion
- Ratio
- Quantity
- Integer
- Similar (shapes)
- Enlargement
- Scale Factor
- Group
- Share
- Multiples

### Proportional reasoning - Targets

	Before Topic	After Topic	Teacher Mark
Use a diagram to represent problems involving multiplication and division (bar models)			
Use a diagram to represent a simple ratio problem written in words (bar models)			
Solve problems involving ratio in words			
Use a diagram to represent a simple proportion problem written in words (bar models)			
Solve simple proportional problems			
Solve problems involving unequal sharing or grouping problems using fractions			