Stage 8 – Calculating fractions, decimals and percentages

WHAT DO WE ALREADY *know?*

- Apply the four operations to fractions
- Use calculators to find a percentage of an amount
- Identify the multiplier for a percentage increase or decrease
- Know that percentage change = actual change ÷ original amount

THE BIG PICTURE

- Calculate exactly with fractions, work with percentages greater than 100%, solve problems involving percentages change, finding original values and simple interest

KEYWORDS

- Proper fraction
- Improper fraction
- Mixed number
- Simplify
- Cancel
- Lowest terms
- Percent
- percentage
- Original amount
- Multiplier
- (Simple) interest
- Exact

Calculating fractions, decimals and percentages - Targets	Before Topic	After Topic	Teacher Mark
Identify the multiplier for a percentage increase or decrease when the percentage is greater than 100%			
Use calculators to increase an amount by a percentage greater than 100%			
Solve problems involving percentage change			
Solve original value problems when working with percentages			
Solve financial problems involving simple interest			
Solve problems that require exact calculations with fractions			

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