

WHAT DO WE ALREADY *know?*

- Add and subtract fractions and mixed numbers with different denominators.
- Multiply a proper fraction by a proper fraction.
- Divide a proper fraction by a whole number.
- Simplify the answer to a calculation when appropriate.
- Use non-calculator methods to find a percentage of an amount.
- Convert between fractions, decimals and percentages.

## Stage 7 – Calculating Fractions, Decimals and Percentages



- Add, subtract, multiply and divide proper and improper fractions and mixed numbers.
- Calculate percentages of amounts using the multiplier method and a calculator.
- Increase and decrease an amount by a percentage.
- Calculate percentage change.

## KEYWORDS

- Mixed number
- Equivalent
- Fraction
- Simplify
- Lowest terms
- Improper
- Percentage
- Multiplier
- Increase
- Decrease

### Calculating Fractions, Decimals and Percentages - Targets

	Before Topic	After Topic	Teacher Mark
Add, subtract, multiply and divide proper fractions.			
Add, subtract, multiply and divide improper fractions.			
Add, subtract, multiply and divide mixed numbers.			
Identify the multiplier for a percentage increase or decrease.			
Use a calculator to find a percentage of an amount.			
Use a calculator to increase or decrease an amount by a percentage.			
Compare two quantities using percentages.			
Know that percentage change = actual change ÷ original amount.			
Calculate the percentage change including percentage increase/decrease.			

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