Fractions and Percentages

- Convert fluently between key fractions, decimals and percentages
- Calculate key fractions, decimals and percentages of an amount without a calculator
- Calculate fractions, decimals and percentages of an amount using calculator methods
- Convert between decimals and percentages greater than 100%
- Percentage decrease with a multiplier
- Calculate percentage increase and decrease using a multiplier
- Express one number as a fraction or a percentage of another without a calculator
- Express one number as a fraction or a percentage of another using calculator methods

Fractions and Percentages

- Work with percentage change
- Choose appropriate methods to solve percentage problems
- Find the original amount given the percentage less than 100%
- Find the original amount given the percentage greater than 100%
- Choose appropriate methods to solve complex percentage problems

- Denotes Higher Tier GCSE content
- R Denotes 'review step' content should have been covered in Year 7

Standard Form

- Investigate positive powers of 10
- Work with numbers greater than 1 in standard form
- Investigate negative powers of 10
- Work with numbers between 0 and 1 in standard form
- Compare and order numbers in standard form
- Mentally calculate with numbers in standard form
- Add and subtract numbers in standard form
- Multiply and divide numbers in standard form
- Use a calculator to work with numbers in standard form

Standard Form

- Understand and use negative indices
- Understand and use fractional indices

- denotes Higher Tier GCSE content
- Denotes "review step" content should have been covered in Year 7

Number Sense

- Round numbers to powers of 10, and 1 significant figure
- Round numbers to a given number of decimal places
- Estimate the answer to a calculation
- Understand and use error interval notation
- Calculate using the order of operations
- Calculate with money
- Covert metric measures of length
- Convert metric units of weight and capacity

Number Sense

Small Steps

Convert metric units of area

Convert metric units of volume

Solve problems involving time and the calendar

- denotes higher strand and not necessarily content for Higher Tier GCSE
- R denotes "review step" content should have been covered at KS3