

## Basic number

$\checkmark \quad$ Place value and ordering numbers
$\checkmark$ Order of operations and BIDMAS
$\checkmark \quad$ The four rules

## Charts, tables \& averages

$\checkmark \quad$ Frequency tables
$\checkmark$ Statistical diagrams
$\checkmark \quad$ Line graphs
$\checkmark$ Statistical averages

## Linear graphs

$\checkmark \quad$ Graphs and equations
$\checkmark \quad$ Drawing linear graphs by finding points
$\checkmark$ Gradient of a line
$\checkmark \quad y=m x+c$
$\checkmark \quad$ Finding the equation of a line from its graph
$\checkmark \quad$ The equation of a parallel line
$\checkmark$ Real-life uses of graphs
$\checkmark \quad$ Solving simultaneous equations using graphs

## Ratio, speed and proportion

$\checkmark$ Ratio
$\checkmark$ Speed, distance and time
$\checkmark$ Direct proportion problems
$\checkmark$ Best buys

## Number properties

$\checkmark \quad$ Multiples of whole numbers
$\checkmark \quad$ Factors of whole numbers
$\checkmark \quad$ Prime numbers
$\checkmark \quad$ Prime factors, LCM and HCF
$\checkmark \quad$ Square numbers
$\checkmark$ Square roots
$\checkmark$ Basic calculations on a calculator

## Decimals and fractions

$\checkmark$ Calculating with decimals
$\checkmark \quad$ Fractions and reciprocals
$\checkmark \quad$ Writing one quantity as a fraction of another
$\checkmark \quad$ Adding and subtracting fractions $\checkmark$ Multiplying and dividing fractions
$\checkmark \quad$ Fractions on a calculator

## Angles

$\checkmark \quad$ Angles facts
$\checkmark$ Triangles
$\checkmark \quad$ Angles in a polygon
$\checkmark$ Regular polygons
$\checkmark$ Angles in parallel lines
$\checkmark$ Special quadrilaterals
$\checkmark$ Bearings

## Expressions and formula

$\checkmark \quad$ Basic algebra
$\checkmark$ Substitution
$\checkmark \quad$ Expanding brackets
$\checkmark$ Factorisation
$\checkmark$ Quadratic expansion
$\checkmark$ Quadratic factorisation
$\checkmark \quad$ Changing the subject of a formula

## Perimeter and area

$\checkmark$ Rectangles
$\checkmark$ Compound shapes
$\checkmark$ Area of a triangle
$\checkmark$ Area of a parallelogram
$\checkmark \quad$ Area of a trapezium
$\checkmark$ Circles
$\checkmark \quad$ The area of a circle
$\checkmark \quad$ Answers in terms of $\pi$

