

## 1. Number

- ☐☐☐ Order integers, decimals and fractions; use the six inequality and equality symbols.
- ☐☐☐ Apply the four operations with formal written methods to integers, decimals, fractions and mixed numbers, in context including household finance.
- ☐☐☐ Use inverse operations and the priority of operations (BIDMAS).
- ☐☐☐ Use primes, factors, multiples, HCF and LCM via prime factorisation; (H) systematic listing and the product rule for counting.

☐☐☐ Convert between terminating decimals and fractions; (H) recurring decimals to fractions.

☐☐☐ Interpret fractions and percentages as operators, using multipliers including reverse percentages.

☐☐☐ Use standard units of mass, length, time and money with decimal quantities.

- ☐☐☐ Use index laws with integer and (H) fractional indices; calculate with roots.
- ☐☐☐ (H) Simplify surds and rationalise denominators.
- ☐☐☐ Calculate with standard form  $A \times 10^n$  and interpret calculator displays.
- ☐☐☐ Estimate answers by rounding to one significant figure; round to dp and sf.
- ☐☐☐ (H) Write error intervals in inequality notation and apply upper and lower bounds through calculations.

□□□ Notation, expressions, substitution, expanding and factorising (A1–A4)

□□□ Equations, inequalities, formulae and rearranging (A5–A7)

☐☐☐ Sequences, including nth term (A24–A25)

Graphs: linear, quadratic, reciprocal, real contexts (A8–A16)

## □□□ Quadratics and simultaneous equations - HT (A17–A23)

Ratio and proportion (R1–R5)

Percentage change, growth and decay (R9–R16)

□□□ Compound measures and rates of change (R6–R8, R13–R14)

□□□ Angles, parallel lines and polygons (G1–G3)

☐☐☐ Perimeter, area and volume, including circles (G14–G17, G19)

Pythagoras, trigonometry and their graphs (G6, G20–G24)

□□□ Transformations, constructions, loci and vectors (G7–G10, G25)

□□□ Properties and congruence and similarity (G4–G5, G18)

□□□ Probability basics and tables (P1–P6)

□□□ Tree diagrams and sets - HT (P7–P9)

6. Statistics

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6.1 Sampling, averages and spread (S1–S4)      ,      (S1–S4)

☐☐☐ Sampling, averages and spread (S1–S4)

6.2 Charts, tables, time series and scatter (S5–S8)      ,      ,      (S5–S8)

☐☐☐ Charts, tables, time series and scatter (S5–S8)