AQA · GCSE · Mathematics

Syllabus Checklist ·

Tick one box per statement: ☐ not yet ☐ nearly ☐ confident. : / / 。

1. Number

1.1 Arithmetic, factors, multiples and primes (N1–N4) 、 、 (N1–N4)

☐☐☐ 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.

1.2 Fractions, decimals, percentages and units (N5–N10) 、 、 (N5–N10)

☐☐☐ 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.

1.3 Indices, surds, standard form and bounds (N11–N16) 、 、 (N11–N16)

☐☐☐ Use index laws with integer and (H) fractional indices; calculate with roots.

☐☐☐ (H) Simplify surds and rationalise denominators.

☐☐☐ Calculate with standard form A x 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.

2. Algebra

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

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

2.2 Equations, inequalities, formulae and rearranging (A5–A7) 、 、 (A5–A7)

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

2.3 Sequences, including nth term (A24–A25) , n (A24–A25)

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

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

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

2.5 Quadratics and simultaneous equations - HT (A17–A23) — (A17–A23)

☐☐☐ Quadratics and simultaneous equations - HT (A17–A23)

3. Ratio, proportion and rates of change 、

3.1 Ratio and proportion (R1–R5) (R1–R5)

☐☐☐ Ratio and proportion (R1–R5)

3.2 Percentage change, growth and decay (R9–R16) 、 (R9–R16)

☐☐☐ Percentage change, growth and decay (R9–R16)

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

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

4. Geometry and measures

4.1 Angles, parallel lines and polygons (G1–G3) 、 (G1–G3)

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

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

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

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

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

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

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

4.5 Properties and congruence and similarity (G4–G5, G18) 、 (G4–G5, G18)

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

5. Probability

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

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

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

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

6. Statistics

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

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

6.2 Charts, tables, time series and scatter (S2, S5–S6) 、 、 (S5–S8)

□□□ Charts, tables, time series and scatter (S2, S5–S6)