

Assessment overview

Content domain	Total
Number	9
Algebra	9
Ratio, proportion and rates of change	5
Geometry and measures	4
Probability	2
Statistics	1

Question breakdown

Q	Content domain reference
1	A15 recognise arithmetic sequences and find the nth term
2	N8 interpret and compare numbers in standard form $A \times 10^n$ $1 \leq A < 10$, where n is a positive integer or 0
3	A4 simplify and manipulate algebraic expressions to maintain equivalence
4	N10 define percentage as 'number of parts per hundred', interpret percentages and percentage changes as a fraction or a decimal
5	R9 solve problems involving direct and inverse proportion, including graphical and algebraic representations
6	N5 use conventional notation for the priority of operations, including brackets, powers, roots and reciprocals
7	R4 use ratio notation, including reduction to simplest form
8	R3 express one quantity as a fraction of another, where the fraction is less than 1 and greater than 1
9	A1 use and interpret algebraic notation
10	A9 recognise, sketch and produce graphs of linear and quadratic functions of 1 variable with appropriate scaling, using equations in x and y and the Cartesian plane
11	S1 describe, interpret and compare observed distributions of a single variable through appropriate measures of central tendency and spread
12	N10 define percentage as 'number of parts per hundred', interpret percentages and percentage changes as a fraction or a decimal
13	G2 calculate and solve problems involving: perimeters of 2-D shapes (including circles), areas of circles and composite shapes
14	P1 record, describe and analyse the frequency of outcomes of simple probability experiments
15	A9 recognise, sketch and produce graphs of linear and quadratic functions of 1 variable with appropriate scaling, using equations in x and y and the Cartesian plane

Question breakdown

Q	Content domain reference
16	N7 use integer powers and associated real roots, recognise powers of 2, 3, 4, 5 and distinguish between exact representations of roots and their decimal approximations
17	A4 simplify and manipulate algebraic expressions to maintain equivalence
18	N10 define percentage as 'number of parts per hundred', interpret percentages and percentage changes as a fraction or a decimal
19	A15 recognise arithmetic sequences and find the nth term
20	A1 use and interpret algebraic notation
21	P1 record, describe and analyse the frequency of outcomes of simple probability experiments
22	G8 identify properties of, and describe the results of, translations, rotations and reflections applied to given figures
23	A4 simplify and manipulate algebraic expressions to maintain equivalence
24	N10 define percentage as 'number of parts per hundred', interpret percentages and percentage changes as a fraction or a decimal
25	N7 use integer powers and associated real roots, recognise powers of 2, 3, 4, 5 and distinguish between exact representations of roots and their decimal approximations
26	G2 calculate and solve problems involving: perimeters of 2-D shapes (including circles), areas of circles and composite shapes
27	R2 use scale factors, scale diagrams and maps
28	N4 use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers
29	G1 derive and apply formulae to calculate and solve problems involving perimeter, area and volume
30	R5 divide a given quantity into 2 parts in a given part:part or part:whole ratio; express the division of a quantity into 2 parts as a ratio