

Assessment overview

Content domain	Total
Number	14
Algebra	7
Ratio, proportion and rates of change	2
Geometry and measures	3
Probability	2
Statistics	2

Question breakdown

Q	Content domain reference
1	N4 use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers
2	G10 apply the properties of angles at a point, angles at a point on a straight line and vertically opposite angles
3	A2 substitute numerical values into formulae and expressions, including scientific formulae
4	N2 order positive and negative integers, decimals and fractions; use the number line as a model for ordering of the real numbers; use the symbols $=$, \neq , $<$, $>$, \leq , \geq
5	S1 describe, interpret and compare observed distributions of a single variable through appropriate measures of central tendency and spread
6	N8 interpret and compare numbers in standard form $A \times 10^n$ $1 \leq A < 10$, where n is a positive integer or 0
7	P2 understand that the probabilities of all possible outcomes sum to 1
8	P1 record, describe and analyse the frequency of outcomes of simple probability experiments
9	N10 compare 2 quantities using percentages
10	R3 express one quantity as a fraction of another, where the fraction is less than 1 and greater than 1
11	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
12	N10 define percentage as 'number of parts per hundred', interpret percentages and percentage changes as a fraction or a decimal
13	G7 derive and illustrate properties of triangles, quadrilaterals, circles, and other plane figures using appropriate language and technologies
14	N3 use the concepts of prime numbers, factors, multiples, common factors, common multiples, highest common factor, lowest common multiple and prime factorisation
15	N5 use conventional notation for the priority of operations, including brackets, powers, roots and reciprocals

Question breakdown

Q	Content domain reference
16	A1 use and interpret algebraic notation
17	N2 order positive and negative integers, decimals and fractions; use the number line as a model for ordering of the real numbers; use the symbols $=$, \neq , $<$, $>$, \leq , \geq
18	N5 use conventional notation for the priority of operations, including brackets, powers, roots and reciprocals
19	G1 derive and apply formulae to calculate and solve problems involving perimeter, area and volume
20	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
21	A1 use and interpret algebraic notation
22	N4 use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers
23	A7 use algebraic methods to solve linear equations in 1 variable (including all forms that require rearrangement)
24	A4 simplify and manipulate algebraic expressions to maintain equivalence
25	S2 construct and interpret appropriate tables, charts, and diagrams, including for categorical data and for ungrouped and grouped numerical data
26	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
27	N4 use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers
28	A4 simplify and manipulate algebraic expressions to maintain equivalence
29	N4 use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers
30	A1 use and interpret algebraic notation