Quest

Baseline assessment content domain coverage

Year 8 Maths (non-calculator)

Assessment overview

Content domain	Total
Number	**14**
Algebra	**8**
Ratio, proportion and rates of change	**2**
Geometry and measures	**3**
Probability	**2**
Statistics	**1**

Quest

Baseline assessment content domain coverage

Year 8 Maths (non-calculator)

Question breakdown

Q	Content domain reference	
1	G10	apply the properties of angles at a point, angles at a point on a straight line and vertically opposite angles
2	A2	substitute numerical values into formulae and expressions, including scientific formulae
3	S1	describe, interpret and compare observed distributions of a single variable through appropriate measures of central tendency and spread
4	N8	interpret and compare numbers in standard form A x 10n 1≤A<10, where n is a positive integer or 0
5	A2	substitute numerical values into formulae and expressions, including scientific formulae
6	P2	understand that the probabilities of all possible outcomes sum to 1
7	N4	use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers
8	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 =, ≠, <, >, ≤, ≥
9	N10	interpret percentages multiplicatively, express 1 quantity as a percentage of another
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	P1	record, describe and analyse the frequency of outcomes of simple probability experiments
13	N3	use the concepts of prime numbers, factors, multiples, common factors, common multiples, highest common factor, lowest common multiple and prime factorisation
14	N5	use conventional notation for the priority of operations, including brackets, powers, roots and reciprocals
15	A1	use and interpret algebraic notation

Quest

Baseline assessment content domain coverage

Year 8 Maths (non-calculator)

Question breakdown

Q	Content domain reference	
16	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 =, ≠, <, >, ≤, ≥
17	N5	use conventional notation for the priority of operations, including brackets, powers, roots and reciprocals
18	G1	derive and apply formulae to calculate and solve problems involving perimeter, area and volume
19	G7	derive and illustrate properties of triangles, quadrilaterals, circles, and other plane figures using appropriate language and technologies
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	A4	simplify and manipulate algebraic expressions to maintain equivalence
24	N4	use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers
25	A7	use algebraic methods to solve linear equations in 1 variable (including all forms that require rearrangement)
26	N8	interpret and compare numbers in standard form A x 10n 1≤A<10, where n is a positive integer or 0
27	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
28	N4	use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers
29	A4	simplify and manipulate algebraic expressions to maintain equivalence
30	A1	use and interpret algebraic notation