Quest

Spring term assessment content domain coverage

Year 7 Maths (non-calculator)

Assessment overview

Content domain	Total
Number	**9**
Algebra	**7**
Ratio, proportion and rates of change	**3**
Geometry and measures	**3**
Probability	**1**
Statistics	**2**

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Question breakdown

Q	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	A4	simplify and manipulate algebraic expressions to maintain equivalence
4	G11	understand and use the relationship between parallel lines and alternate and corresponding angles
5	N1	understand and use place value for decimals, measures and integers of any size
6	N3	use the concepts of prime numbers, factors, multiples, common factors, common multiples, highest common factor, lowest common multiple and prime factorisation
7	A5	understand and use standard mathematical formulae; rearrange formulae to change the subject
8	R3	express one quantity as a fraction of another, where the fraction is less than 1 and greater than 1
9	P1	record, describe and analyse the frequency of outcomes of simple probability experiments
10	S1	describe, interpret and compare observed distributions of a single variable through appropriate measures of central tendency and spread
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12	A8	work with coordinates in all 4 quadrants
13	A1	use and interpret algebraic notation

Q	Reference	
14	N12	use standard units of mass, length, time, money and other measures, including with decimal quantities
15	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 =, ≠, <, >, ≤, ≥
16	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
17	N5	use conventional notation for the priority of operations, including brackets, powers, roots and reciprocals
18	N6	recognise and use relationships between operations including inverse operations
19	A2	substitute numerical values into formulae and expressions, including scientific formulae
20	R8	solve problems involving percentage change, including: percentage increase, decrease and original value problems
21	N4	use the 4 operations, including formal written methods, applied to integers, decimals, proper and improper fractions, and mixed numbers
22	A7	use algebraic methods to solve linear equations in 1 variable (including all forms that require rearrangement)
23	G2	calculate and solve problems involving: perimeters of 2-D shapes (including circles), areas of circles and composite shapes
24	N5	use conventional notation for the priority of operations, including brackets, powers, roots and reciprocals
25	A4	simplify and manipulate algebraic expressions to maintain equivalence