Quest

Spring term assessment content domain coverage

Year 7 Maths (calculator)

Assessment overview

Content domain	Total
Number	**3**
Algebra	**7**
Ratio, proportion and rates of change	**6**
Geometry and measures	**5**
Probability	**2**
Statistics	**2**

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Question breakdown

Q	Reference	
1	A8	work with coordinates in all 4 quadrants
2	G11	understand and use the relationship between parallel lines and alternate and corresponding angles
3	A7	use algebraic methods to solve linear equations in 1 variable (including all forms that require rearrangement)
4	G10	apply the properties of angles at a point, angles at a point on a straight line and vertically opposite angles
5	R3	express one quantity as a fraction of another, where the fraction is less than 1 and greater than 1
6	A4	simplify and manipulate algebraic expressions to maintain equivalence
7	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
8	N10	define percentage as 'number of parts per hundred', interpret percentages and percentage changes as a fraction or a decimal
9	A5	understand and use standard mathematical formulae; rearrange formulae to change the subject
10	S1	describe, interpret and compare observed distributions of a single variable through appropriate measures of central tendency and spread
11	S2	construct and interpret appropriate tables, charts, and diagrams, including for categorical data and for ungrouped and grouped numerical data
12	A2	substitute numerical values into formulae and expressions, including scientific formulae
13	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
14	A1	use and interpret algebraic notation
15	R4	use ratio notation, including reduction to simplest form
16	G1	derive and apply formulae to calculate and solve problems involving perimeter, area and volume
17	R8	solve problems involving percentage change, including: percentage increase, decrease and original value problems
18	P1	record, describe and analyse the frequency of outcomes of simple probability experiments
19	P1	record, describe and analyse the frequency of outcomes of simple probability experiments
20	G2	calculate and solve problems involving: perimeters of 2-D shapes (including circles), areas of circles and composite shapes
21	N3	use the concepts of prime numbers, factors, multiples, common factors, common multiples, highest common factor, lowest common multiple and prime factorisation
22	G1	derive and apply formulae to calculate and solve problems involving perimeter, area and volume
23	N10	define percentage as 'number of parts per hundred', interpret percentages and percentage changes as a fraction or a decimal
24	A7	use algebraic methods to solve linear equations in 1 variable (including all forms that require rearrangement)
25	R1	change freely between related standard units [for example: time, length, area, volume/capacity, mass]