

Assessment overview

Content domain	Total
Number	4
Algebra	6
Ratio, proportion and rates of change	7
Geometry and measures	3
Probability	2
Statistics	3

Question breakdown

Q	Reference	
1	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
2	G1	derive and apply formulae to calculate and solve problems involving perimeter, area and volume
3	P2	understand that the probabilities of all possible outcomes sum to 1
4	G11	understand and use the relationship between parallel lines and alternate and corresponding angles
5	A4	simplify and manipulate algebraic expressions to maintain equivalence
6	N12	use standard units of mass, length, time, money and other measures, including with decimal quantities
7	A8	work with coordinates in all 4 quadrants
8	S1	describe, interpret and compare observed distributions of a single variable through appropriate measures of central tendency and spread
9	A14	generate terms of a sequence from either a term-to-term or a position-to-term rule
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	R3	express one quantity as a fraction of another, where the fraction is less than 1 and greater than 1
13	P1	record, describe and analyse the frequency of outcomes of simple probability experiments

Q	Reference	
14	R10	use compound units such as speed, unit pricing and density to solve problems
15	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
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	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
18	N10	define percentage as 'number of parts per hundred', interpret percentages and percentage changes as a fraction or a decimal
19	G8	identify properties of, and describe the results of, translations, rotations and reflections applied to given figures
20	A7	use algebraic methods to solve linear equations in 1 variable (including all forms that require rearrangement)
21	R8	solve problems involving percentage change, including: percentage increase, decrease and original value problems
22	A15	recognise arithmetic sequences and find the nth term
23	A2	substitute numerical values into formulae and expressions, including scientific formulae
24	R8	solve problems involving percentage change, including: percentage increase, decrease and original value problems
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