End of year assessment content domain coverage
Year 6 Mathematical reasoning

Assessment overview

Content domain	Total
Number and place value	4
Addition, subtraction, multiplication and division (calculations)	5
Fractions, decimals and percentages	6
Ratio and proportion	4
Algebra	4
Measurement	5
Geometry – properties of shapes	3
Geometry – position and direction	2
Statistics	4

Quest

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Question breakdown

Q	Reference	
1	6N2	read, write, order and compare numbers up to 10,000,000
2	5F12	solve problems involving percentage and decimal equivalents of fractions
3	6N2	read, write, order and compare numbers up to 10,000,000
4	4P3a	describe positions on a 2-D grid as co-ordinates in the first quadrant
5	5G4a	estimate and compare acute, obtuse and reflex angles
6	6M5	use, read, write and convert between standard units, using decimal notation
7	6F2	use common multiples to express fractions in the same denomination
8	6A1	express missing number problems algebraically
9	6G4b	recognise angles where they meet at a point, and find missing angles
10	6R2	solve problems involving the calculation of percentages
11	6R1	solve problems involving the relative sizes of two quantities
12	6G4a	find unknown angles in any triangles, quadrilaterals and regular polygons
13	6A2	use simple formulae
14	6A1	express missing number problems algebraically
15	6S1	interpret and construct pie charts and use these to solve problems
16	4C6b	use place value, known and derived facts to multiply and divide mentally
17	5S1	complete, read and interpret information in tables, including timetables
18	6S3	calculate and interpret the mean as an average
19	6M7b	calculate the area of parallelograms and triangles
20	6F3	compare and order fractions, including fractions >1

Q	Reference	
21	6N3	determine the value of each digit in numbers up to 10,000,000
22	6S3	calculate and interpret the mean as an average
23	6F9a	identify the value of each digit to three decimal places
24	6N5	use negative numbers in context, and calculate intervals across zero
25	6F5b	divide proper fractions by whole numbers [e.g. 1/3 ÷ 2 = 1/6]
26	6C8	solve problems involving addition, subtraction, multiplication and division
27	6P3	describe positions on the full co-ordinate grid (all four quadrants)
28	6C8	solve problems involving addition, subtraction, multiplication and division
29	6R1	solve problems involving the relative sizes of two quantities
30	6M7b	calculate the area of parallelograms and triangles
31	6M8b	recognise when it is possible to use the formulae for the volume of shapes
32	6A1	express missing number problems algebraically
33	6C8	solve problems involving addition, subtraction, multiplication and division
34	6M5	use, read, write and convert between standard units, using decimal notation
35	6R1	solve problems involving the relative sizes of two quantities
36	6F10	solve problems which require answers to be rounded
37	6C8	solve problems involving addition, subtraction, multiplication and division