Quest

Baseline assessment content domain coverage

Year 7 Maths (calculator)

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**

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Question breakdown

Q	Reference	
1	6N2	read, write, order and compare numbers up to 10,000,000
2	6N2	read, write, order and compare numbers up to 10,000,000
3	4P3a	describe positions on a 2-D grid as co-ordinates in the first quadrant
4	5G4a	estimate and compare acute, obtuse and reflex angles
5	5F12	solve problems involving percentage and decimal equivalents of fractions
6	6N3	determine the value of each digit in numbers up to 10,000,000
7	6F2	use common multiples to express fractions in the same denomination
8	6G4b	recognise angles where they meet at a point
9	6N5	use negative numbers in context, and calculate intervals across zero
10	6G4a	find unknown angles in any triangles, quadrilaterals and regular polygons
11	6F3	compare and order fractions, including fractions >1
12	4C6c	recognise and use factor pairs and commutativity in mental calculations
13	6C5	identify common factors, common multiples and prime numbers
14	6R4	solve problems involving unequal sharing and grouping
15	6A2	use simple formulae
16	6A2	use simple formulae
17	6R2	solve problems involving the calculation of percentages
18	6A1	express missing number problems algebraically
19	6C8	solve problems involving addition, subtraction, multiplication and division

Q	Reference	
20	5S1	complete, read and interpret information in tables, including timetables
21	6S3	calculate and interpret the mean as an average
22	6P3	describe positions on the full co-ordinate grid (all four quadrants)
23	6M5	use, read, write and convert between standard units, using decimal notation
24	6S1	interpret and construct pie charts and use these to solve problems
25	6F9a	multiply and divide numbers by 10, 100 and 1,000
26	6S3	calculate and interpret the mean as an average
27	6M7b	calculate the area of parallelograms and triangles
28	6F5b	divide proper fractions by whole numbers [e.g. 1/3 ÷ 2 = 1/6]
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	6R1	solve problems involving the relative sizes of two quantities
34	6C8	solve problems involving addition, subtraction, multiplication and division
35	6C8	solve problems involving addition, subtraction, multiplication and division
36	6M5	use, read, write and convert between standard units, using decimal notation
37	6F10	solve problems which require answers to be rounded