Baseline assessment content domain coverage
Year 4 Mathematical reasoning

Assessment overview

Content domain	Total
Number and place value	5
Addition, subtraction, multiplication and division (calculations)	6
Fractions, decimals and percentages	4
Measurement	8
Geometry – properties of shapes	4
Geometry – position and direction	0
Statistics	3

Quest

Question breakdown

Q	Reference	
1	3M2a	measure lengths (m / cm / mm)
2	3M9c	add and subtract mass (kg / g)
3	3M2c	measure volume / capacity (l / ml)
4	3N2a	compare and order numbers up to 1,000
5	3N4	identify, represent and estimate numbers using different representations
6	3N3	recognise the place value of each digit in a three-digit number
7	3C4	solve problems using number facts, place value, and addition and subtraction
8	3F4	add and subtract fractions with the same denominator within one whole
9	3F1b	recognise, find and write fractions of a discrete set of objects
10	3C8	solve problems involving multiplication and division
11	3C8	solve problems involving multiplication and division
12	3G4b	identify whether angles are greater than or less than a right angle
13	3M9b	add and subtract lengths (m / cm / mm)
14	3M1a	compare lengths (m / cm / mm)
15	3M4a	tell and write the time from an analogue 12-hour clock
16	3C8	solve problems involving multiplication and division
17	3S2	solve questions using information presented in scaled bar charts
18	3S2	solve questions using information presented in scaled bar charts
19	3F10	solve problems that involve 3F1–3F4
20	3C6	use multiplication and division facts for the 3, 4 and 8 multiplication tables

Q	Reference	
21	3N4	identify, represent and estimate numbers using different representations
22	3N2a	compare and order numbers up to 1,000
23	3G4b	recognise that three right angles make three quarters of a turn
24	3F10	solve problems that involve 3F1–3F4
25	3S1	interpret and present data using bar charts, pictograms and tables
26	3M4e	know the number days in each month, year and leap year
27	3G4	identify horizontal, vertical lines and pairs of perpendicular and parallel lines
28	3M4f	compare durations of events
29	3G4	identify horizontal, vertical lines and pairs of perpendicular and parallel lines
30	3C4	solve problems using number facts, place value, and addition and subtraction