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MM	SB	[Maths Mate - Mathematical strand]	
Question	Skill No.	Skill Builder - Skill description	
1.		[+ Whole numbers to 10]	1
	1.1	Adding whole numbers from 1 to 10.	
	1.2	Adding whole numbers from 1 to 10 to negative numbers.	
2.		[- Whole numbers to 10]	3
	2.1	Subtracting whole numbers from 1 to 10.	
	2.2	Subtracting whole numbers from 1 to 10 from negative numbers.	
3.		[× Whole numbers to 10]	5
	3.1	Multiplying whole numbers from 1 to 10.	
	3.2	Multiplying whole numbers from 1 to 10 by negative numbers.	
4.		[÷ Whole numbers to 10]	7
	4.1	Dividing by whole numbers from 1 to 10.	
	4.2	Dividing whole numbers from 1 to 10 into negative numbers.	
5.		[Large Number +,-]	9
	5.1	Subtracting large numbers without carry over.	
	5.2	Adding two large numbers without carry over.	
	5.3	Subtracting large numbers with carry over.	
	5.4	Adding two large numbers with carry over.	
	5.5	Adding and subtracting multiple large numbers with carry over.	
6.		[Large Number ×,÷]	14
	6.1	Dividing a large number by a single digit - no remainder.	
	6.2	Multiplying a large number by a single digit.	
	6.3	Multiplying a large number by a two digit number.	
	6.4	Dividing a large number by a two digit number - no remainder.	
	6.5	Multiplying a large number by multiples of 10 (e.g. 140, 1200, etc).	
	6.6	Dividing a large number by a single digit - with remainder.	
7.		[Powers of 10 ×,÷]	20
	7.1	Multiplying a whole number by 10, 100, 1000, etc.	
	7.2	Dividing a whole number by 10, 100, 1000, etc.	
	7.3	Multiplying a whole number by multiples of 10 (e.g. 30, 800, etc).	
	7.4	Dividing a whole number by multiples of 10 (e.g. 20, 700, etc).	
	7.5	Dividing a decimal number by 10, 100, 1000, etc.	
	7.6	Multiplying a decimal number by 10, 100, 1000, etc.	
8.		[Decimal +,-]	26
	8.1	Adding decimal numbers without carry over.	
	8.2	Subtracting decimal numbers without carry over.	
	8.3	Adding decimal numbers with carry over.	
	8.4	Subtracting decimal numbers with carry over.	

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Question	Skill No.	Skill Builder - Skill description	
9.		[Decimal \times, \div]	30
	9.1	Multiplying decimal numbers by a whole number.	
	9.2	Dividing decimal numbers by a whole number.	
	9.3	Multiplying two decimal numbers.	
	9.4	Dividing by decimal numbers.	
10.		[Fraction $+, -$]	34
	10.1	Adding fractions with the same denominator.	
	10.2	Subtracting fractions with the same denominator.	
	10.3	Adding mixed numbers.	
	10.4	Subtracting mixed numbers.	
	10.5	Adding fractions by making a common denominator.	
	10.6	Subtracting fractions by making a common denominator.	
11.		[Fractions]	41
	11.1	Simplifying fractions.	
	11.2	Illustrating fractions.	
	11.3	Converting improper fractions to mixed numbers.	
	11.4	Converting mixed numbers to improper fractions.	
	11.5	Finding equivalent fractions by multiplying both the numerator and denominator by the same number.	
	11.6	Finding equivalent fractions by dividing both the numerator and denominator by the same number.	
	11.7	Comparing and ordering fractions.	
	11.8	Finding a fraction of a whole number.	
	11.9	Multiplying whole numbers by fractions.	
	11.10	Dividing fractions by whole numbers.	
	11.11	Dividing whole numbers by fractions.	
	11.12	Writing a fraction as a decimal number.	
	11.13	Writing a decimal number as a fraction in its simplest form.	
12.		[Percentages]	55
	12.1	Expressing a number out of 100 as a percentage.	
	12.2	Finding a percentage of selected multiples of 100.	
	12.3	Finding a percentage of a number other than multiples of 100.	
	12.4	Finding 12.5%, $33\frac{1}{3}\%$ or $66\frac{2}{3}\%$ of a number.	
	12.5	Expressing a number out of another number as a percentage.	
	12.6	Writing a decimal as a percentage.	
	12.7	Writing a percentage as a fraction.	
	12.8	Writing a fraction as a percentage.	
	12.9	Increasing or decreasing a quantity by a percentage.	
	12.10	Working with GST in money calculations.	
13.		[Rates / Ratios]	65
	13.1	Simplifying ratios with two numbers.	
	13.2	Simplifying ratios with two numbers having the same unit.	
	13.3	Calculating rates.	
	13.4	Simplifying ratios that compare three numbers.	
	13.5	Finding the ratio of two amounts.	
	13.6	Calculating the average speed.	
	13.7	Calculating distance travelled.	
	13.8	Simplifying ratios with two numbers having different units.	
14.		[Exponents / Square Roots]	73
	14.1	Squaring whole numbers.	
	14.2	Finding square roots of whole numbers.	
	14.3	Calculating powers of 10.	
	14.4	Finding powers of whole numbers.	
15.		[Order of Operations]	77
	15.1	Using 'order of operations' involving single \times or \div and $+$ or $-$	
	15.2	Using 'order of operations' involving multiple $+$ and/or $-$	
	15.3	Using 'order of operations' involving \times and/or \div	
	15.4	Using 'order of operations' involving brackets () and one other operation.	
	15.5	Using 'order of operations' involving a mix of (), \times , \div , $+$ or $-$	
	15.6	Using 'order of operations' involving powers and () \times , \div , $+$ or $-$	

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16.		[Factors / Multiples / Primes]	83
	16.1	Recognising a factor.	
	16.2	Finding the common factors of two numbers.	
	16.3	Finding the Highest Common Factor (HCF) of two numbers.	
	16.4	Finding the common multiples of two numbers.	
	16.5	Finding the Lowest Common Multiple (LCM) of two numbers.	
	16.6	Recognising prime numbers.	
	16.7	Completing factor trees.	
	16.8	Finding the prime factors of a number.	
	16.9	Expressing a number as a product of its prime factors.	
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17.		[Number Patterns]	93
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	17.2	Completing number patterns by subtracting the same number.	
	17.3	Completing number patterns by multiplying by the same number.	
	17.4	Completing number patterns by dividing by the same number.	
	17.5	Completing number patterns by adding or subtracting the same fraction.	
	17.6	Completing number patterns involving fractions by multiplying by the same number.	
	17.7	Completing number patterns by using changing values in the rule.	
	17.8	Completing number patterns involving squared or cubed numbers.	
	17.9	Recognising Fibonacci type number patterns.	
	17.10	Finding a term in a number pattern.	
18.		[Number / Place Value]	103
	18.1	Finding the place value of a digit in a number.	
	18.2	Rounding whole numbers.	
	18.3	Rounding decimal numbers.	
	18.4	Comparing and ordering whole numbers.	
	18.5	Comparing and ordering decimal numbers.	
	18.6	Comparing and ordering fractions, percentages and decimals.	
19.		[Integers]	109
	19.1	Recognising integers.	
	19.2	Representing integers on a number line.	
	19.3	Comparing and ordering integers.	
	19.4	Adding integers.	
	19.5	Subtracting integers.	
	19.6	Solving word problems using integers.	
	19.7	Multiplying and dividing integers.	
20.		[Word Numbers]	117
	20.1	Expressing word numbers in numerals.	
	20.2	Writing 2-digit numbers in words.	
	20.3	Writing 3-digit numbers in words.	
	20.4	Writing 4-digit numbers in words.	
	20.5	Writing 5-digit numbers in words.	
	20.6	Writing 6-digit numbers in words.	
	20.7	Writing 7-digit numbers in words.	
21.		[Algebra - Like Terms]	124
	21.1	Adding the same pronumerals (no coefficients).	
	21.2	Adding and subtracting like terms.	
	21.3	Grouping like terms.	
22.		[Algebra - Substitution]	127
	22.1	Substituting into expressions involving + and -	
	22.2	Substituting into expressions involving \times	
	22.3	Substituting into various expressions.	
	22.4	Substituting into expressions involving fractions.	
	22.5	Substituting into expressions involving +, -, () and \times	
	22.6	Substituting into expressions involving squared terms.	
23.		[Algebra - Equations]	133
	23.1	Solving equations involving + or -	
	23.2	Solving equations involving \times	
	23.3	Solving equations involving fractions.	

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23.		[Algebra - Equations]	136
	23.4	Solving equations involving +, −, × and ()	
	23.5	Solving equations involving decimals.	
	23.6	Solving equations to find the value of x.	
24.		[Location]	142
	24.1	Finding direction on a map.	
	24.2	Using grid references to describe location on a map.	
	24.3	Using coordinates to describe location on a coordinate plane.	
	24.4	Using a scale to calculate distance.	
	24.5	Describing the movement of objects.	
	24.6	Using time zones on a map.	
	24.7	Drawing points and lines on a coordinate plane.	
	24.8	Describing the movement of objects on a coordinate plane.	
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	25.1	Measuring angles using a protractor.	
	25.2	Estimating the size of an acute angle.	
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	25.4	Finding the size of angles that form a right angle.	
	25.5	Finding the size of angles that form a straight angle.	
	25.6	Finding the size of angles inside a triangle.	
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26.		[Geometry]	159
	26.1	Classifying polygons.	
	26.2	Classifying triangles and quadrilaterals.	
	26.3	Drawing lines and polygons.	
	26.4	Classifying polyhedra.	
	26.5	Classifying 3D shapes with curved surfaces.	
	26.6	Describing angles and circles.	
	26.7	Identifying and classifying symmetry.	
	26.8	Identifying tessellating shapes.	
	26.9	Identifying nets of 3D shapes.	
27.		[Statistics / Probability]	168
	27.1	Interpreting tables.	
	27.2	Interpreting column or bar graphs.	
	27.3	Interpreting line graphs.	
	27.4	Finding the probability of an event.	
	27.5	Interpreting more complex graphs.	
	27.6	Interpreting pie graphs.	
	27.7	Finding the probability of an event using tree or Venn diagrams.	
28.		[Units of Measurement]	178
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	28.2	Converting units of measurement for time.	
	28.3	Converting units of measurement for mass.	
	28.4	Converting units of measurement for capacity.	
29.		[Perimeter]	182
	29.1	Measuring the perimeter of a shape.	
	29.2	Calculating the perimeter of a shape.	
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	29.4	Using perimeter to find unknown side lengths.	
	29.5	Calculating the circumference of a circle.	
30.		[Area]	187
	30.1	Finding the area of a rectangle or a triangle on a square grid.	
	30.2	Finding the area of any shape on a square grid.	
	30.3	Comparing the area of shapes on a square grid.	
	30.4	Calculating the area of a rectangle.	
	30.5	Calculating the area of a triangle.	
	30.6	Calculating the area of a trapezium.	
	30.7	Calculating the area of a parallelogram.	
	30.8	Calculating the area of a composite shape.	
	30.9	Calculating the area of a circle.	