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MM	SB	[Maths Mate - Mathematical strand]	
Question	Skill No.	Skill Builder - Skill description	
1.		[Long \times, \div]	1
	1.1	Multiplying a large number by a multiple of 10.	
	1.2	Multiplying a large number by a two-digit number.	
	1.3	Multiplying a large number by a large multiple of 10.	
	1.4	Dividing a large number by a single digit.	
	1.5	Dividing a large number by a power of 10.	
	1.6	Dividing a large number by a multiple of 10.	
	1.7	Dividing a whole number by a two-digit number.	
	1.8	Dividing whole numbers - remainder.	
	1.9	Dividing whole numbers - recurring remainder.	
2.		[Decimal $+, -$]	12
	2.1	Adding decimal numbers.	
	2.2	Subtracting decimal numbers.	
	2.3	Subtracting a decimal number from a whole number.	
	2.4	Adding and subtracting decimal numbers.	
3.		[Decimal \times, \div]	20
	3.1	Multiplying a decimal number by a whole number.	
	3.2	Multiplying a decimal number by powers and multiples of 10.	
	3.3	Multiplying a decimal number by a negative power of 10 (e.g. 0.1).	
	3.4	Multiplying a decimal number by a decimal number.	
	3.5	Dividing a decimal number by a whole number.	
	3.6	Dividing a decimal number by a power of 10.	
	3.7	Dividing a decimal number by a negative power of 10 (e.g. 0.1).	
	3.8	Dividing a decimal number by a decimal number.	
	3.9	Dividing a whole number by a decimal number.	
4.		[Fraction $+, -$]	29
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	4.2	Subtracting fractions with the same denominator.	
	4.3	Adding mixed numbers with the same denominator.	
	4.4	Subtracting mixed numbers with the same denominator.	
	4.5	Subtracting a mixed number from a whole number.	
	4.6	Adding fractions with different denominators - one denominator divides evenly into the other denominator.	
	4.7	Adding fractions with different denominators - the HCF of the denominators is 1 (e.g. 2 and 3, 5 and 6).	
	4.8	Adding fractions with different denominators - the denominators have common factors $\neq 1$.	
	4.9	Subtracting fractions with different denominators - one denominator divides evenly into the other denominator.	
	4.10	Subtracting fractions with different denominators - the HCF of the denominators is 1 (e.g. 2 and 3, 5 and 6).	
	4.11	Subtracting fractions with different denominators - the denominators have common factors $\neq 1$.	
	4.12	Adding and subtracting fractions with different denominators.	
	4.13	Adding or subtracting mixed numbers with different denominators.	

MM	SB	[Maths Mate - Mathematical strand]
Question	Skill No.	Skill Builder - Skill description
5.		[Fraction \times, \div] 46
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	5.2	Multiplying two fractions.
	5.3	Multiplying a mixed number by a fraction or by another mixed number.
	5.4	Multiplying three fractions.
	5.5	Dividing two fractions.
	5.6	Dividing a whole number by a fraction.
	5.7	Dividing a fraction by a whole number.
	5.8	Dividing a mixed number by a fraction or by another mixed number.
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	6.2	Finding the remaining percentage.
	6.3	Finding a percentage of a multiple of 100.
	6.4	Finding a percentage of any number.
	6.5	Finding a percentage of a quantity.
	6.6	Finding a percentage of a quantity involving unit conversion.
	6.7	Working with more than 100%.
	6.8	Finding a number knowing a percentage of that number.
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	7.6	Writing a fraction as a recurring decimal.
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	7.8	Writing a fraction as a percentage.
	7.9	Writing a decimal number as a percentage.
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	10.5	Finding the missing term in a proportion.
	10.6	Solving proportions.
	10.7	Dividing a quantity into a given ratio.
	10.8	Working with ratio scales.
	10.9	Finding the average speed.
	10.10	Finding the distance travelled.
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	10.12	Finding other rates.
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11.6	Dividing powers with coefficients and with the same base.	
11.7	Raising a product to a power.	
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12.7	Estimating square roots.	
12.8	Multiplying surds.	
12.9	Dividing surds.	
12.10	Simplifying surds to simplest.	
12.11	Adding and subtracting surds.	
12.12	Simplifying expressions with surds.	
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13.2	Using “order of operations” involving powers and (), \times , \div , + or –	
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13.4	Finding a term in a number pattern.	
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13.6	Writing rational approximations of simple irrational numbers.	
13.7	Writing very large and very small numbers in standard form (scientific notation).	
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13.10	Recognising rational and irrational numbers.	
13.11	Recognising classes of numbers.	
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14.2	Minimising expenses - saving.	
14.3	Calculating percentages including commissions, laybys, taxes, tips, profit and loss.	
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14.5	Calculating an amount given a percentage of that amount.	
14.6	Increasing or decreasing a quantity by a percentage.	
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15.6	Describing disjoint, overlapping and equal sets, and subsets.	
15.7	Finding the complement, union and intersection of sets.	
15.8	Using Venn diagrams to work with sets.	
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15.10	Interpreting Karnaugh maps.	
15.11	Interpreting tree diagrams.	

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Question	Skill No.	Skill Builder - Skill description
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	17.5	Substituting into formulae.
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	18.5	Expanding and evaluating expressions.
	18.6	Expanding and evaluating more complex expressions.
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	19.5	Factorising negative terms.
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	20.6	Solving equations involving fractions.
	20.7	Solving inequations.
	20.8	Solving quadratic equations.
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21.7	Deciding if a point is on a line of a given rule.	
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21.9	Sketching a linear graph by finding the x -intercept and the y -intercept.	
21.10	Finding the gradient of a linear graph.	
21.11	Rewriting a linear function in the general form $y = mx + c$, where m is the gradient and c is the y -intercept of the graph.	
21.12	Finding the gradient, the x -intercept and the y -intercept of a linear function written in the general form $y = mx + c$.	
21.13	Solving simultaneous linear equations by sketching the graphs of both equations on a Cartesian plane.	
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22.6	Recognising line symmetry in two-dimensional shapes.	
22.7	Recognising nets of three-dimensional shapes.	
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24.5	Recognising and drawing enlargements and reductions on a grid or in a coordinate plane.	
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24.7	Recognising congruence of two-dimensional shapes.	
24.8	Recognising similarity of two-dimensional shapes.	
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25.9	Converting units of measurement for area.	
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26.2	Calculating the perimeter of composite shapes.	
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26.5	Calculating the area of squares and rectangles.	
26.6	Calculating the area of triangles.	
26.7	Calculating the area of parallelograms.	
26.8	Calculating the area of rhombi and kites.	
26.9	Calculating the area of trapeziums.	
26.10	Calculating the area of composite shapes.	
26.11	Calculating the area of circles.	
26.12	Calculating the area of composite circular shapes.	
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28.5	Finding a perpendicular side when the other perpendicular side and the hypotenuse of a right-angled triangle are given.	
28.6	Applying Pythagoras' theorem.	
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