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MM	SB	[Math's Mate - Mathematical strand]
Question	Skill No.	Skill Builder - Skill description
<b>1.</b>		<b>[+ Whole numbers to 10]</b> ..... <b>1</b>
	1.1	Adding whole numbers from 1 to 10.
	1.2	Adding whole numbers from 1 to 10 to negative numbers.
<b>2.</b>		<b>[- Whole numbers to 10]</b> ..... <b>3</b>
	2.1	Subtracting whole numbers from 1 to 10.
	2.2	Subtracting whole numbers from 1 to 10 from negative numbers.
<b>3.</b>		<b>[× Whole numbers to 12]</b> ..... <b>5</b>
	3.1	Multiplying whole numbers from 1 to 12.
	3.2	Multiplying whole numbers from 1 to 12 by negative numbers.
<b>4.</b>		<b>[÷ Whole numbers to 12]</b> ..... <b>7</b>
	4.1	Dividing by whole numbers from 1 to 12.
	4.2	Dividing whole numbers from 1 to 12 into negative numbers.
<b>5.</b>		<b>[Large Number +,-]</b> ..... <b>9</b>
	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.
<b>6.</b>		<b>[Large Number ×,÷]</b> ..... <b>14</b>
	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.
<b>7.</b>		<b>[Powers of 10 ×,÷]</b> ..... <b>20</b>
	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.
<b>8.</b>		<b>[Decimal +,-]</b> ..... <b>26</b>
	8.1	Adding two decimal numbers without carry over.
	8.2	Subtracting decimal numbers without carry over.
	8.3	Adding two decimal numbers with carry over.
	8.4	Subtracting decimal numbers with carry over.

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<b>9.</b>		<b>[Decimal <math>\times, \div</math>]</b> .....	<b>30</b>
	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.	
<b>10.</b>		<b>[Fraction <math>+, -</math>]</b> .....	<b>34</b>
	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.	
<b>11.</b>		<b>[Fractions]</b> .....	<b>41</b>
	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 in decimal notation.	
	11.13	Writing a decimal number as a fraction in simplest form.	
<b>12.</b>		<b>[Percents]</b> .....	<b>55</b>
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	12.2	Finding a percent of selected multiples of 100.	
	12.3	Finding a percent 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	Writing a number out of another number as a percent.	
	12.6	Writing a decimal as a percent.	
	12.7	Writing a percent as a fraction.	
	12.8	Writing a fraction as a percent.	
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	12.10	Working with percents in money calculations.	
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	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 traveled.	
	13.8	Simplifying ratios with two numbers having different units.	
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	14.2	Finding square roots of whole numbers.	
	14.3	Calculating powers of 10.	
	14.4	Finding powers of whole numbers.	
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	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 $-$	
	15.7	Using 'order of operations' involving powers, a mix of ( ), $\times$ , $\div$ , $+$ or $-$ and positive and negative numbers.	
	15.8	Using 'order of operations' involving square roots.	

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Question	Skill No.	Skill Builder - Skill description	
<b>16.</b>		<b>[Factors / Multiples / Primes]</b> .....	<b>85</b>
	16.1	Recognizing a factor.	
	16.2	Finding the common factors of two numbers.	
	16.3	Finding the Greatest Common Factor (GCF) of two numbers.	
	16.4	Finding the common multiples of two numbers.	
	16.5	Finding the Least Common Multiple (LCM) of two numbers.	
	16.6	Recognizing prime numbers.	
	16.7	Completing factor trees.	
	16.8	Finding the prime factors of a number.	
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	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.	
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	20.5	Writing 5-digit numbers in words.	
	20.6	Writing 6-digit numbers in words.	
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	21.2	Adding and subtracting like terms.	
	21.3	Grouping like terms.	
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	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 a mix of ( ), +, –, $\times$	
	22.6	Substituting into expressions involving square terms.	
<b>23.</b>		<b>[Algebra - Equations]</b> .....	<b>135</b>
	23.1	Solving equations involving + or –	
	23.2	Solving equations involving $\times$	
	23.3	Solving equations involving fractions.	

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<b>23.</b>		<b>[Algebra - Equations]</b> ..... <b>135</b>
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	23.6	Solving equations to find the value of x.
<b>24.</b>		<b>[Coordinate Planes]</b> ..... <b>144</b>
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	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.
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	25.5	Finding the size of angles that form a straight angle.
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	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.
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<b>27.</b>		<b>[Data &amp; Probability]</b> ..... <b>170</b>
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	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.
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	29.5	Calculating the circumference of a circle.
<b>30.</b>		<b>[Area]</b> ..... <b>189</b>
	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 trapezoid.
	30.7	Calculating the area of a parallelogram.
	30.8	Calculating the area of an irregular shape.
	30.9	Calculating the area of a circle.