

	TERM	UNIT / LESSON	STEPS (GRADES) FROM ...	STEPS (GRADES) FROM ...	LEARNING OUTCOME
	SPRING	<b>4 Fractions and percentages</b>	3rd (grade 2)	7th (grade 4)	
15	01/01/2018	4.1 Working with fractions	3rd (grade 2)	6th (grade 3)	Compare fractions.
16	08/01/2018				Add and subtract fractions.
17	15/01/2018				Use fractions to solve problems.
		4.2 Operations with fractions	4th (grade 2)	7th (grade 4)	Find a fraction of a quantity or measurement. Use fractions to solve problems.
		4.3 Multiplying fractions	4th (grade 2)	6th (grade 3)	Multiply whole numbers, fractions and mixed numbers. Simplify calculations by cancelling.
		4.4 Dividing fractions	5th (grade 3)	7th (grade 4)	Divide a whole number by a fraction. Divide a fraction by a whole number or a fraction.
		4.5 Fractions and decimals	3rd (grade 2)	5th (grade 3)	Convert fractions to decimals and vice versa. Use decimals to find quantities. Write one number as a fraction of another.
		4.6 Fractions and percentages	3rd (grade 2)	6th (grade 3)	Convert percentages to fractions and vice versa. Write one number as a percentage of another.
		4.7 Calculating percentages 1	4th (grade 2)	6th (grade 3)	Convert percentages to decimals and vice versa. Find a percentage of a quantity. Use percentages to solve problems. Calculate simple interest.
		4.8 Calculating percentages 2	4th (grade 2)	6th (grade 3)	Calculate percentage increases and decreases. Use percentages in real-life situations.
		<b>UNIT 4 TEST</b>			Calculate VAT (value added tax).
	SPRING	<b>5 Equations, inequalities and sequences</b>	3rd (grade 2)	7th (grade 4)	
18	22/01/2018	5.1 Solving equations 1	3rd (grade 2)	5th (grade 3)	Understand and use inverse equations.
19	29/01/2018				Rearrange simple linear equations. Solve simple linear equations.
20	05/02/2018				
		5.2 Solving equations 2	3rd (grade 2)	6th (grade 3)	Solve two-step equations.
		5.3 Solving equations with brackets	6th (grade 3)	7th (grade 4)	Solve linear equations with brackets. Solve equations with unknowns on both sides.
		5.4 Introducing inequalities	4th (grade 2)	7th (grade 4)	Use correct notation to show inclusive and exclusive inequalities. Solve simple linear inequalities. Write down whole numbers which satisfy an inequality. Represent inequalities on a number line.
		5.5 More inequalities	5th (grade 3)	7th (grade 4)	Solve two-sided inequalities.
		5.6 More formulae	3rd (grade 2)	7th (grade 4)	Substitute values into formulae and solve equations. Change the subject of a formula. Know the difference between an expression, an equation, a formula and an identity.
		5.7 Generating sequences	6th (grade 3)	7th (grade 4)	Recognise and extend sequences.
		5.8 Using the nth term of a sequence			Use the nth term to generate terms of a sequence.
		<b>UNIT 5 TEST</b>			Find the nth term of an arithmetic sequence.

	23/10/2017	HALF TERM			
21	19/02/2018	<b>REVISION &amp; TEST</b>	<b>OFFICIAL COMBINED UNIT TESTS: 3, 4 &amp; 5</b>		
	<b>SPRING</b>	<b>6 Angles</b>	3rd (grade 2)	8th (grade 5)	
22	26/02/2018	6.1 Properties of shapes	4th (grade 2)	5th (grade 3)	Solve geometric problems using side and angle properties of quadrilaterals.
23	05/03/2018				Identify congruent shapes.
24	12/03/2018	6.2 Angles in parallel lines	5th (grade 3)	6th (grade 3)	Understand and use the angle properties of parallel lines.
					Find missing angles using corresponding and alternate angles.
		6.3 Angles in triangles	3rd (grade 2)	6th (grade 3)	Solve angle problems in triangles.
					Understand angle proofs about triangles.
		6.4 Exterior and interior angles	4th (grade 2)	7th (grade 4)	Calculate the interior and exterior angles of regular polygons.
		6.5 More exterior and interior angles	4th (grade 2)	8th (grade 5)	Calculate the interior and exterior angles of polygons.
					Explain why some polygons fit together and some others do not
		6.6 Geometrical patterns	6th (grade 3)	8th (grade 5)	Solve angle problems using equations.
		<b>UNIT 6 TEST</b>			Solve geometrical problems showing reasoning.
	<b>SPRING</b>	<b>7 Averages and range</b>	2nd (grade 1)	7th (grade 4)	
25	19/03/2018	7.1 Mean and range	3rd (grade 2)	6th (grade 3)	Calculate the mean from a list and from a frequency table.
26	26/03/2018				Compare sets of data using the mean and range.
		7.2 Mode, median and range	4th (grade 2)	6th (grade 3)	Find the mode, median and range from a stem and leaf diagram.
					Identify outliers.
					Estimate the range from a grouped frequency table.
		7.3 Types of average	2nd (grade 1)	6th (grade 3)	Recognise the advantages and disadvantages of each type of average.
					Find the modal class.
					Find the median from a frequency table.
		7.4 Estimating the mean	7th (grade 4)	7th (grade 4)	Estimate the mean of grouped data.
		7.5 Sampling	6th (grade 3)	6th (grade 3)	Understand the need for sampling.
		<b>UNIT 7 TEST</b>			Understand how to avoid bias.