

CLASS : 4

SUBJECT:Mathematics

TEACHER : Melissa Richard

Month	# Periods	Unit No.	TOPIC / DETAILS	Intended Learning Objectives	Remarks
<b>September</b>			<b>School Reopens - 1st Term</b>	<b>Students will be able to,</b>	
<b>Week 1</b>	1	B1	Bonds to multiples of 100	understand number bonds to 100	
<b>Week 2</b>	1	B2	Add/Subtract to reach next/previous 100	Add to the next multiple of 100 by counting up from any 2-digit or 3-digit number	
	1	B3	Count up to find the difference	Subtract a 3-digit from a 3-digit number (with a difference < 50) by counting up	
	2	B4	Adding several numbers	Add mentally several 1-digit numbers, multiples of 10 or 100	
	3	A1	4-digit numbers	Understand place value in 4-digit numbers by creating 4-digit numbers, and solving place value additions and subtractions	
<b>Week 3</b>			EID AL ADHA		
<b>Week 4</b>	1	B5	Adding 2-3-digit numbers	Add pairs of 2-digit numbers with a total $\leq 198$	
	2	B6	Subtracting 2-3-digit numbers	Subtract 2-digit and 3- digit numbers by counting up	
	3	C1	The 6 times-tables	Count in 6s and recall multiplication and division facts for the $\times 6$ table	
	1	C2	The 9 times tables	Count in 9s and recall multiplication and division facts for the $\times 9$ table	
<b>Week 5</b>	2	C3	Multiplying 2-digit numbers by a 1-digit no.	Multiply mentally 2-digit by 1-digit numbers using partitioning Use known tables and place value to multiply 2-digit by 1-digit numbers with the grid method	
	1	E1	Finding unit fractions of amounts	Find unit fractions of amounts and relate to division	
	1	D1	Telling the time to the minute	Write and tell the time to the nearest minute using analogue and digital clocks	
	2	D2	Calculating time intervals	Compare durations of events to calculate the time taken by particular events or tasks	
	1		<b>MONTHLY TEST</b>		
<b>October</b>					
<b>Week 6</b>	3	D3	Centimetres and millimetres	Begin to convert between different units of measure	
	2	D4	Metres, Centimetres and millimetres	Measure, compare, add and subtract lengths or heights using m/cm/mm	
	2	B7	Column addition of 3-digit numbers	Use compact column addition to add pairs of 3-digit numbers with a total < 1000 Use column addition to add three 3-digit numbers with a total < 1000	
<b>Week 7</b>	4	B8	Expanded column subtraction	Use expanded decomposition to subtract 3-digit from 3-digit numbers	
	3	C4	Doubling 3-digit numbers	Double 3-digit numbers by partitioning	
<b>Week 8</b>	2	C5	Halving 3-digit even numbers	halve 3-digit numbers by partitioning	
	3	E2	Unit fractions and equivalence	Begin to understand equivalence by placing fractions on a number line Use equivalence to reduce fractions to their simplest form	
	2	E3	Decimals	Match 1-place decimals to 1/10s Divide integers by 10, 100 and 1000 to get 1-place decimal answers	
<b>Week 9</b>	2	B9	Adding 4-digit numbers	Use column addition to add two 4-digit numbers with a total $\leq 10000$ & $> 10000$	
	2	D5	Wight in grams and kilograms	Measure, compare, add and subtract weights (masses) using kg/g	
	2	D6	Using bar graphs	Interpret and present discrete data using bar charts, using an appropriate scale	
	1		<b>MOTHLY TEST</b>		

<b>November</b>					
<b>Week 10</b>	4	D7	Capacity in litres and millilitres	Measure, compare, add and subtract capacities or volumes using l/ml	
	3	A2	Rounding 4-digit numbers	Round 4-digit numbers up or down to the nearest 10, 100 or 1000	
<b>Week 11</b>	7	B10	Subtracting 3-digit numbers	Use expanded decomposition to subtract 3-digit from 3-digit numbers	
<b>Week 12</b>	3	C6	Multiplication using the grid method	Multiply 3-digit by 1-digit numbers using the grid method	
	4	C7	Dividing 2-digit numbers	Divide numbers just beyond the tables by subtracting the multiple of 10	
<b>Week 13</b>	4	F1	Practising calculations	practice calculations to revise all four operations	
	3	F2	Tile puzzles	practice multiplication and division facts	
<b>December</b>					
<b>Week 14</b>	2	F3	Spotting patterns	Describe, predict and explain patterns	
	5	F4	Mixed Operations	practice calculations to revise all four operations	
<b>Week 15</b>	7		<b>REVISION</b>		
<b>Week 16</b>			1st term end exams		
<b>Week 17</b>			Paper corrections and report work		
<b>Week 18</b>			December Vacation		
<b>January 2015</b>					
			<b>School Reopens - 2nd Term</b>		
<b>Week 19</b>			Vacation		
<b>Week 20</b>	2	A3	Place value of 3-4-digit numbers	Round 4-digit numbers up or down to the nearest 10, 100 or 1000	
	2	A4	Counting in 25s, 50s and 100s	Count on and back in multiples of 10, 100 and 1000 and in multiples of 25 and 50, work systematically, predict and explain patterns	
	3	B11	Add and subtract multiples of 10 and 100	Use place value to add and subtract multiples of 10, 100 and 1000	
<b>Week 21</b>	1	B12	Subtracting 3-digit numbers	Use expanded & compact decomposition to subtract 3-digit from 3-digit numbers	
	3	C8	Multiplying 3-digit by 1-digit numbers	Multiply 2- and 3-digit by 1-digit numbers using the ladder method	
	3	C9	Mental multiplication and division methods	Practice mental multiplication and division strategies	
<b>Week 22</b>	3	E4	Non-unit fractions of 2-3-digit numbers	Find fractions of amounts and relate to division and multiplication Use equivalence to reduce fractions to their simplest form	
	2	D8	Recognising acute, right and obtuse angles	Compare and classify acute and obtuse angles; order angles up to 180°	
	2	D9	Parallel and perpendicular	Draw horizontal, perpendicular and parallel lines of a given length	
<b>February</b>					
<b>Week 23</b>	2	D10	Properties of 2D shapes	Identify line symmetry in 2D shapes presented in different orientations	
	2	D11	Lines of symmetry	Draw lines of symmetry and draw the other half of symmetrical shapes	
	2	C10	Dividing 2-3-digit numbers by 1-digit no.s	Divide 2- and 3-digit by 1-digit numbers using a written method drawn from mental strategies with integer remainders and answers between 10 and 20	
	1		<b>MONTHLY TEST</b>		
<b>Week 24</b>	2	C11	Using factors to multiply and divide	use factors to solve multiplication and division of larger numbers	
	1	B13	Subtract by counting up to multiples of 1000	Subtract 4-digit from 4-digit multiples of 1000 by counting up	
	2	B14	Subtract to find change from £10,£20 or£50	Find change from £5, £10, £20, £50 and £100 by counting up	

	2	A5	Place value of decimal numbers	Locate and write 1-place decimals on a number line and match to 1/10s & rounding	
<b>Week 25</b>	2	B15	Adding 4-digit numbers using a written method	Use column addition to add two 4-digit numbers with answers > 10000	
	1	B16	Adding amounts of money	Add mentally several amounts of money	
	2	B17	Subtracting amounts of money	Use place value to subtract amounts of money and calculate price decreases	
	2	B18	Subtracting using a written method	Use compact decomposition to subtract 3-digit from 3-digit numbers	
<b>Week 26</b>	3	D12	24-hour clock	Read, write and convert time between analogue and digital 12 and 24 hour clocks	
	2	D13	Perimeter of rectilinear shapes	Measure and calculate the perimeter of rectilinear figures in cm and m	
	2	A6	Place value of 4-digit numbers	Understand place value in 4-digit numbers, and partition 4-digit numbers.	
<b>Week 27</b>	3	B19	Column subtraction of 4-digit numbers	Use expanded or compact decomposition to subtract numbers with up to 4-digits	
<b>March</b>					
<b>Week 27</b>	2	B20	Choosing a method of subtraction	Use counting up/back place value or column method to subtract numbers with up to 4-dgt	
	2	C12	Multiplying 3-digit by 1-digit numbers	Describe, predict and explain patterns	
<b>Week 28</b>	3	C13	Dividing 2-3-digit numbers by 1-digit numbers	Divide 2- and 3-digit by 1-digit numbers using a written method drawn from mental strategies with integer remainders and answers < 50	
	2	F4	Solving word problems	to solve problems	
<b>Week 29</b>	2	F5	Practising calculations	to practice calculations to revise all four operations	
	4	F6	Mixed Operations		
<b>Week 30</b>	7		<b>REVISION</b>		
<b>Week 31</b>			2nd term end exams		
<b>April</b>					
<b>Week 32</b>			Paper corrections and report work		
<b>Week 33</b>			<b>April vacation</b>		
			<b>School Reopens - 3rd Term</b>		
<b>Week 34</b>	2	A7	4-digit numbers	Order and compare 4-digit numbers and say a number between	
	1	A8	5-digit numbers	Begin to read, write and compare 5-digit numbers	
	3	A9	Negative numbers	Locate negative numbers on a number line and relate to temperature	
<b>Week 35</b>	3	E5	Understanding decimals	understanding that these represent parts (tenths and hundredths) of numbers	
	2	E6	Counting on in tenths and hundredths	Count in decimal steps of 0.1 (tenths) & 0.01 (hundredths)	
	2	E7	Rounding decimals	Round 1- and 2-place decimals up and down to the nearest whole number	
<b>May</b>					
<b>Week 36</b>	2	C14	11 and 12 times tables	Recall multiplication and division facts for the $\times 11$ and $\times 12$ tables	
	2	C15	Mental and written multiplication	Multiply mentally 2-digit by 1-digit numbers using partitioning	
	3	C16	Multiplying and dividing	Multiply mentally using partitioning & divide using halving	

<b>Week 37</b>	2	D14	Calculating area and perimeter	Calculate and compare areas of squares and rectangles using standard units
	3	D15	Properties of 2D and 3D shapes	Recognise, name and classify 2D shapes, identifying regular and irregular polygons, and sort 2D shapes according to properties including types of quadrilaterals and triangles
	2	E8	Decimal numbers in length	Understand, read and write 2-place decimals
<b>Week 38</b>	2	E9	Equivalent fractions and decimals	Revise equivalent fractions and Know fraction complements to 1
	2	B21	Adding 2-3-4-digit numbers	Add mentally 2-3-4 digit numbers by partitioning or counting on
	2	B22	Subtracting 3-and 4-digit numbers	Subtract 2-, 3- and 4-digit numbers using counting up
	1	C17	Using factors to multiply	use factors and doubling to solve multiplication mentally
<b>Week 39</b>	3	C18	Scaling	use mental strategies and spot a relationship between products
	2	B23	Adding 4-digit numbers	Solve written addition of two 4-digit numbers
	2	B24	Adding money	Use column addition to add pairs of 2-place decimals, including amounts of money
<b>Week 40</b>	1	B25	Subtracting 3-4-digit numbers	Solve 4-digit subtractions using written column method (decomposition) or counting up
	2	B26	Finding change	Solve word problems choosing an appropriate method
	2	D16	Coordinates	Use coordinates to draw & describe positions of polygons
	1	D17	Bar charts and pictograms	Draw and interpret bar charts and pictograms
	1		<b>MOTHLY TEST</b>	
<b>June</b>				
<b>Week 41</b>	2	D18	Lines graphs	Draw line graphs and understand that intermediate points have meaning
	1	C19	Multiplying 3-digit by 1-digit numbers	Use the vertical algorithm (ladder) to multiply 3-digit numbers by 1-digit numbers
	2	E10	Adding fractions	Convert mixed numbers to improper fractions and vice versa
	2	A10	Multiply and divide by 10 and 100	Multiply and divide numbers by 10 and 100 to give 1- or 2-place decimal answers
<b>Week 42</b>	1	C20	Multiplying by 11 and 12	Multiply 2-digit numbers by 11 and 12, look for patterns and write rules
	1	C21	Multiplying two 2-digit numbers	Multiply 2-digit numbers by numbers between 10 and 20 using the grid method
	2	E11	Finding fractions of amounts	Find any fraction of an amount and relate to division and multiplication
	2	F7	Solving problems	to solve problems
	1	F8	Grid investigations	Describe, predict and explain patterns
<b>Week 43</b>	7		<b>REVISION</b>	
<b>Week 44</b>			3rd term end exams	
<b>Week 44</b>			Paper corrections and report work	
<b>July</b>				
<b>Week 45</b>			<b>Summer vacation</b>	