

## Year 4 Assessment Framework for Mathematics – Larger Print Version

Standard		Number and Place Value	Four Operations	Fractions and Decimals	Measurement	Geometry	Statistics
<b>Greater Depth</b>	16/19: GD(a)	1) Round any number to the nearest 10, 100 or 1000  <i>3657 → Ten Hund Thou</i> <i>3660 → 3700 → 4000</i>	4) Estimate answers to addition and subtraction calculations	8) Recognise, and count up and down in, hundredths	12) Estimate, compare and calculate different measures, including money in pounds and pence	15) Complete a simple symmetric figure with respect to a specific line of symmetry	19) Solve comparison, sum and difference problems using info presented in bar charts, pictograms, tables and other graphs
	10/19: GD(b)	2) Solve number problems involving increasingly large positive numbers	5) Use inverse operations to check addition and subtraction calculations	9) Solve problems involving harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number	13) Solve problems involving converting from hours to minutes, minutes to seconds, years to months and weeks to days	16) Compare and order angles up to two right angles by size	
	4/19: GD(c)	3) Read Roman numerals to 100 (I to C) and know that the system changed to include zero and place value	6) Recall multiplication and division facts up to 12 x 12	10) Write decimal equivalents of $\frac{1}{4}$ , $\frac{1}{2}$ and $\frac{3}{4}$ , and of any number of tenths or hundredths <i><math>\frac{1}{4}=0.25</math> <math>\frac{1}{2}=0.5</math> <math>\frac{3}{4}=0.75</math></i> <i><math>\frac{7}{10} = 0.7</math> <math>\frac{83}{100} = 0.83</math></i>	14) Read, write and convert time between analogue and digital 12- and 24-hour clocks	17) Describe translations to the left/right and up/down	18) Plot points and draw sides to complete a polygon
		7) Use factor pairs and commutativity in mental calculations	11) Solve measure and money problems to 2dp				

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<b>Expected Standard</b>	16/19: Exp(a)	1) Count in multiples of 6, 7, 9, 25 and 1000  2) Count backwards through zero to include negative numbers	5) Subtract up to 4 digits $\begin{array}{r} 5381 \\ - 1724 \\ \hline 3657 \end{array}$  6) Solve two-step addition and subtraction problems in context	10) Recognise and show (using diagrams) families of common equivalent fractions  11) Write decimal equivalents of any number of tenths $7/10 = 0.7$	14) Begin to convert units <i>e.g. km → m</i> <i>hour → mins</i>  15) Measure and calculate the perimeter of a rectilinear figure in cm and m	17) Compare and classify shapes inc. quadrilaterals and triangles based on their properties and sizes  18) Describe coordinates in the first quadrant $(4, 2)$	19) Interpret and present data using bar charts and time graphs
	10/19: Exp(b)	3) Order numbers beyond 1000  4) Independently identify, represent and estimate numbers using different representations <i>Number lines, partitioning, cubes, pictures</i>	7) Know most multiplication tables between 1x and 12x  8) Multiply and divide mentally, using place value and known facts including x0, x1, ÷1 and multiplying three numbers together	12) Round 1dp to the nearest whole $5.8 \rightarrow 6$	16) Find the area of rectilinear shapes by counting squares		
	4/19: Exp(c)		9) Multiply 3 digits by 1 digit	13) Compare numbers with up to 2dp			

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Working Towards	6/8: WT(a)	1) Find 1000 more or less than a given number $62457 + 1000 = 63457$	3) Add up to 4 digits $\begin{array}{r} 3657 \\ +1724 \\ \hline 5381 \\ 1 \end{array}$	5) Add and subtract fractions with the same denominator		7) Identify acute and obtuse angles	
	4/8: WT(b)	2) Recognise the place value of thousands, hundreds, tens and ones $2457 = 2000 + 400 + 50 + 7$	4) Multiply 2 digits by 1 digit $\begin{array}{r} 38 \\ \times 5 \\ \hline 190 \\ 4 \end{array}$	6) Divide one and two digit numbers by 10 and 100		8) Identify lines of symmetry in 2D shapes presented in different orientations	
	2/8: WT(c)						