Name: _____

Year 6 Assessment Framework for Mathematics – Larger Print Version

Standard		Number and Place Value	Four Operations	Fractions, Decimals and Percentages	Ratio and Proportion	Algebra	Measurement	Geometry	Statistics
Greater Depth	15/18: **GD(a)**	1) Solve problems involving rounding to 1 and 2 decimals places	2) Long division with 4 digits by 2 digits and interpret remainders as whole numbers, fractions or by rounding 3) Solve problems with all four operations	4) Compare and order fractions including fractions >1 5) Convert fractions to decimals *3/8 = 0.375* 6) Multiply numbers up to 2dp by whole numbers *3.54 x 6 =* 7) Use written division with answers to 2dp	8) Solve problems involving the calculation of percentages (e.g. 15% of 360) and the use of percentages for comparison 9) Solve problems involving similar shapes where the scale factor is known or can be found	10) Find pairs of numbers that satisfy an equation with two unknowns *In a school with 627 pupils, there are twice as many boys as girls. How many boys are there?* 11) Enumerate possibilities of combinations of two variables *2a + b = 10*	12) Convert between standard units of length, mass, volume and time to 3dp 13) Convert between miles and kilometres 14) Find the area of parallelograms 15) Calculate, estimate and compare volumes of cubes and cuboids	16) Name parts of circles inc. radius, diameter and circumference. Know that the diameter is twice the radius 17) Draw & translate simple shapes on the coordinate plane, and reflect them in the axes	18) Calculate and interpret the mean as an average
	10/18: **GD(b)**								
	5/18: **GD(c)**								

PRIMARY IMPACT
EDUCATION SOLUTIONS

 Name: _____

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Underlined statements refer to the standards laid out in the DfE's *Teacher Assessment Frameworks at the End of KS2 (2017-18)* document.

Standard		Number and Place Value	Four Operations	Fractions, Decimals and Percentages	Ratio and Proportion	Algebra	Measurement	Geometry	Statistics
Expected Standard	24/28: **Exp(a)**	1) Understand place value up to 10 million and down to 3 decimal places *Find the value of 7 in 276,541* *28.13 = 28 + ? + 0.03* 2) Round any whole number to a required degree of accuracy 3) Use negative numbers in context and calculate intervals across zero 4) Solve a range of number and practical problems	5) Use mental strategies to simpify calculations *700 = 20 x 7 x 5 =* *20 x 5 x 7 = 100 x 7* 6) Use formal methods to solve multi-step problems *Find the change from £20 for 3 items costing £1.24, £7.92 and £2.55* 7) Independent long multiplication with 4 by 2 digits *5683* *x 24* *22732* *+113660* *136392* 8) Short division with 4 digits by 2 digits 9) Find the difference between the largest and smallest whole numbers that can be made from 3 digits	10) Express fractions, decimals and percentages as equivalent quantities *One piece of cake out of five can be expressed as 1/5, 0.2 or 20%* 11) Calculate using fractions, decimals or percentages *15% of 60 =* *1½ + ¾ =* *0.8 x 70 =* 12) Express two or more fractions with the same denominator 13) Divide fractions by whole numbers	14) Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts *A bag contains 3 green for every 5 red beads. If there are 12 green beads, how many red are there?* 15) Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples	16) Substitute values into a simple formula to solve problems *Perimeter of a rectangle* *Area of a triangle* 17) Generate and describe linear number sequences 18) Express missing number problems algebraically	19) Calculate with measures up to 3dp *Calculate the length of a bus journey given start and end times* *Convert 0.05km into m and then into cm* 20) Recognise that shapes with the same areas can have different perimeters and vice versa 21) Recognise when it is possible to use formulae for area and volume of shapes 22) Find the area of triangles	23) Use mathematical reasoning to find missing angles *The missing angle in an isosceles triangle when one of the angles is given* 24) Draw 2D shapes using given dimensions and angles 25) Recognise, describe and build simple 2D shapes inc. making nets 26) Classify shapes based on their properties and sizes 27) Describe positions on the full coordinate grid	28) Interpret and construct pie charts and line graphs and use these to solve problems
	16/28: **Exp(b)**								
	8/28: **Exp(c)**								

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Standard		Number and Place Value	Four Operations	Fractions, Decimals and Percentages	Ratio and Proportion	Algebra	Measurement	Geometry	Statistics
Working Towards	9/10: **WT(a)**	1) Recognise negative numbers 2) Use place value knowledge to multiply and divide by 10, 100 and 1000	Identify: 3) common factors 4) common multiples 5) prime numbers 6) Calculate using the order of operations	7) Simplify fractions 8) Multiply fractions			9) Convert between standard units of length to 2dp *235cm = 2.35m*	10) Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles	
	6/10: **WT(b)**								
	3/10: **WT(c)**								