Oswald Road Maths Targets 2017

Year 6 (50 Targets)

	Autumn Term	Secure	GD
	Number : Place Value		
1.	Can I read, write, order and compare numbers up to 10 000 000 and determine the value of each digit?		
2.	Can I round any whole number to a required degree of accuracy?		
3.	Can I use negative numbers in context, and calculate intervals across zero?		
4.	Can I solve number and practical problems that involve all of the above?		
	Number- addition subtraction, multiplication + division		
5.	Can I solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why?		
6.	Can I multiply multi-digit number up to 4 digits by a 2 digit number using the formal written method of long multiplication?		
7.	Can I divide numbers up to 4 digits by a 2 digit whole number using the formal written method of long division?		
8.	Can I divide numbers up to 4 digits by a 2 digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions or by rounding as appropriate for the context?		
9.	Can I divide numbers up to 4 digits by a 2 digit number using the formal written method of short division?		
10.	Can I divide numbers up to 4 digits by a 2 digit number using the formal written method of short division, interpreting remainders according to context?		
11.	Can I perform mental calculations, including with mixed operations and large numbers?		
12.	Can I identify common factors, common multiples and prime numbers?		
13.	Can I use their knowledge of the order of operations to carry out calculations involving the four operations?		
14.	Can I solve problems involving addition, subtraction, multiplication and division?		
15.	Can I use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy?		
	Fractions		
16.	Can I use common factors to simplify fractions; use common multiples to express fractions in the same denomination?		
17.	Can I compare and order fractions, including fractions > 1 ?		
18.	Can I generate and describe linear number sequences (with fractions)?		
19.	Can I add fractions with different denominations and mixed numbers, using the concept of equivalent fractions?		
20.	Can I subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions?		
21.	Can I multiply simple pairs of proper fractions, writing the answer in its simplest form [for example ¼ x ½ = 1/8]?		
22.	Can I divide proper fractions by whole numbers [for example 1/3 ÷ 2 = 1/6]?		
23.	Can I associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example 3/8]?		
24.	Can I recall and use equivalences between simple fractions, decimals and percentages, including in different contexts?		
	Geometry- Position and Direction		
25.	Can I describe positions on the full coordinate grid (all four quadrants)?		
26.	Can I draw and translate simple shapes on the coordinate plane?		
27.	Can I reflect shapes in the different axes?		

	Spring Term	Secure	GD
	Number : Decimals		
28.	Can I identify the value of each digit in numbers given to three decimal places and multiply numbers by 10, 100 and 1000 giving answers up to 3dp?		
29.	Can I multiply one digit numbers with up to 2dp by whole numbers?		
30.	Can I use written division methods in cases where the answer has up to two decimal places?		
31.	Can I solve problems which require answers to be rounded to specified degrees of accuracy?		
	Number: Percentages		
32.	Can I solve problems involving the calculation of percentages [for example, of measures and such as 15% of 360]?		
33.	Can I use of percentages for comparison?		
	Measurement		
34.	Can I solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate?		
35.	Can I use, read, write and convert between standard units, converting measurements of length from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3dp?		
36.	Can I use, read, write and convert between standard units, converting measurements of mass from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3dp?		
37.	Can I use, read, write and convert between standard units, converting measurements of volume from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3dp?		
38.	Can I use, read, write and convert between standard units, converting measurements of time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3dp?		
39.	Can I convert between miles and kilometres?		
40.	Can I recognise that shapes with the same areas can have different perimeters and vice versa?		
41.	Can I recognise when it is possible to use formulae for area and volume of shapes?		
42.	Can I calculate the area of parallelograms?		
43.	Can I calculate the area of triangles?		
44.	Can I calculate and estimate volume of cubes and cuboids using standard units, including cm^3, m^3 and extending to other units (mm^3, km^3)?		
45.	Can I compare volume of cubes and cuboids using standard units, including cm^3, m^3 and extending to other units (mm^3, km^3)?		
	Number: Algebra		
46.	Can I use simple formulae?		
47.	Can I generate and describe linear number sequences?		
48.	Can I express missing number problems algebraically (3x + 2 = 14)?		
49.	Can I find pairs of numbers that satisfy an equation with two unknowns?		
50.	Can I enumerate possibilities of combinations of two variables?		
	Number: ratio		
51.	Can I solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts?		
52.	Can I solve problems involving similar shapes where the scale factor is known or can be found?		
53.	Can I solve problems involving unequal sharing and grouping using knowledge of fractions and multiples?		

	Summer Term	Secure	GD
	Geometry and Statistics		
54.	Can I illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius?		
55.	Can I interpret and construct pie charts and use these to solve problems?		
56.	Can I interpret and construct line graphs and use these to solve problems?		
57.	Can I calculate the mean as an average?		
	Geometry-Properties of Shape		
58.	Can I draw 2D shapes using given dimensions and angles?		
59..	Can I compare and classify geometric shapes based on their properties?		
60.	Can I find unknown angles in any triangles?		
61.	Can I find unknown angles in quadrilaterals and regular polygons?		
62.	Can I recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles?		