

My Targets		
I can...	Target	Date
Number – Place Value		
1. Read, write, order and compare numbers up to 10 000 000.		
2. Recognise the place value of each digit up to 10 000 000.		
3. Round any whole number.		
4. Use negative numbers and calculate intervals across zero.		
5. Solve number and practical problems with all the above.		
Number – Addition, Subtraction, Multiplication and Division		
6. Use long multiplication with numbers up to a four-digits with a two-digit number.		
7. Use short division with numbers up to four-digits with a two-digit number.		
8. Use long division with numbers up to four-digits with a two-digit number.		
9. Present remainders in division as whole numbers, fractions or by rounding depending on context.		
10. Perform mental calculations with mixed operations and large numbers.		
11. Identify common factors, common multiples and prime numbers.		
12. Use the order of operations to carry out calculations involving the 4 operations.		
13. Solve + and – multi-step problems deciding operation/method to use and why.		
14. Solve problems involving the four operations.		
15. Use estimation to check my calculations and accuracy.		
Number – Fractions (including Decimals and Percentages)		
16. Use common factors to simplify fractions.		
17. Use common multiples to express fractions in the same denomination.		
18. Compare and order fractions including fractions greater than 1.		
19. Add and subtract fractions with different denominators and mixed numbers by converting to equivalent fractions.		
20. Multiply simple pairs of proper fractions and simplify the answer.		
21. Divide proper fractions by whole numbers.		
22. Calculate decimal equivalents for simple fractions using \div e.g. $3/8 = 3 \div 8 = 0.375$.		
23. Identify the place value of each digit up to 3 decimal places.		
24. \times and \div and numbers by 10, 100 & 1 000 giving answers up to 3 decimal places.		
25. Multiply one-digit numbers with up to 2 decimal places by whole numbers.		
26. Use written division methods where the answer has 2 decimal places.		
27. Solve problems that require the answer to be rounded.		
28. Recall equivalences between simple fractions, decimals & fractions.		
Ratio and Proportion		
29. Solve problems using relative sizes of two quantities where missing values can be found by using multiplication and division facts.		
30. Solve problems involving the calculation of percentages and the use of percentages for comparison.		
31. Solve problems involving similar shapes where the scale factor is known or can be found.		
32. Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.		

Algebra		
33. Use simple formulae.		
34. Generate and describe linear number sequences.		
35. Express missing number problems algebraically.		
36. Find pairs of numbers that satisfy an equation with two unknowns.		
37. List possibilities of combinations of two variables.		

Measurement		
38. Solve problems involving the calculation and conversions of units of measures using decimal notation up to 3 decimal places.		
39. Use, read, write and convert between all standard units of measure (length, mass, volume, time) using numbers up to 3 decimal places.		
40. Converts between miles and kilometres.		
41. Recognise that shapes with the same areas can have different perimeters and vice versa.		
42. Recognise when it is possible to use formulae for area and volume of shapes.		
43. Calculate the area of parallelograms and triangles.		
44. Calculate, estimate and compare volume of cubes and cuboids using standard units, including cm^3 , m^3 , mm^3 and km^3 .		

Geometry – Properties of Shapes, Position and Direction		
45. Draw 2-D shapes using given dimensions and angles.		
46. Recognise, describe and build 3-D shapes, including making nets.		
47. Compare and classify geometric shapes based on their properties and size.		
48. Find unknown angles in a triangle, quadrilaterals and regular polygons.		
49. Illustrate and name parts of a circle (radius, diameter and circumference). Know that the diameter is twice the radius.		
50. Recognise angles where they meet at a point, are on a straight line, or are vertically opposite and find missing angles.		
51. Describe positions in all four quadrants.		
52. Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.		

Statistics		
53. Interpret and construct pie charts and line graphs and use these to solve problems.		
54. Calculate & interpret the mean as an average.		