I can…	2016	Date
1. Count forwards and backwards in steps of 100 and 1,000 from any number up to 1,000,000.	N	
2. Read, write order and compare numbers up to 1,000,000 and determine the value of each.	N	
3. Count forwards and backwards with positive and negative whole numbers through zero.	N	
4. Interpret negative numbers in context such as the temperature.	N	
5. Add and subtract more than 4-digit numbers using the column method.	N	
6. Use rounding to check answers to calculations.	N	
7. Solve multi-step problems in contexts, deciding which operations and methods to use and why.	N	
8. Use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers and calculate whether a number up 100 is prime.	N	
9. Multiply and divide numbers mentally.	N	
10. Multiply and divide whole numbers and those involving decimals by 10, 100 or 1000.	N	
11. HTU x TU numbers	N	
12. HTU divided by U	N	
13. Solve problems involving all 4 rules and a combination of these.	N	
14. Explain that a whole number can be written as fractions.	N	
15. Multiply a proper fraction by 10.	N	
16. Multiply a mixed number by 10.	N	
17. Recognise mixed numbers and improper fractions and convert from one form to the other.	N	
18. Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.	N	
19. Read and write decimal numbers as fractions e.g. $0.7 = \frac{7}{10}$ up to one decimal place.	N	
20. Round decimals with two decimal places to the nearest whole number and to one decimal place.	N	
21. Read, write, order and compare numbers with up to three decimal places.	N	
22. Solve problems involving numbers up to three decimal places.	N	
23. Write percentages as a fraction with a denominator hundred and as a decimal. To understand the % sign.	N	
24. Convert between different units of measure (km/m; m/cm; cm/mm; kg/g; l/ml).	M	
25. Solve problems involving converting between units of time.	M	
26. Solve problems involving addition and subtraction of units of measure using decimal notation.	M	
27. Recognise and estimate volume using cubes and capacity using water.	M	
28. Identify 3-D shapes, including cubes and cuboids, from 2-D representations.	G	
29. Know angles are measured in degrees; estimate and measure them and draw a given angle, writing its size in degrees.	G	
30. Describe equilateral, isosceles, right angle and scalene triangles.	G	
31. Construct a bar chart and decide upon the scale.	S+	

Name _____ ★ ★ ★ Stepping Stone 5 Secure ★ ★		

I can…	2016	Date
1. Count forwards and backwards in steps of 1,000 and 100,000 from any number up to 1,000,000.	N	
2. Round any number up to 1,000,000 to the nearest 100,000 10,000, 1000, 100 and 10.	N	
3. Read Roman numerals to 1000(M) and recognise years written.	N	
4. Solve number problems and practical problems that involve all these aspects: factors, multiples, squares and cubes.	N	
5. Mentally add and subtract any 2 and 3-digit numbers.	N	
6. Add and subtract any 1000s number from any 5-digit number.	N	
7. Identify multiples and be able to find all factor pairs.	N	
8. Recognise and use squared and cubed numbers and the correct sign.	N	
9. Solve problems where larger numbers are used by decomposing them into their factors.	N	
10. Multiply numbers up to 4-digits by a 1-digit and 2-digit number using an efficient written method.	N	
11. Divide numbers up to 4-digits by a 1-digit number using short division written method and interpret remainders.	N	
12. Solve problems including scaling by simple fractions and problems involving simple rates.	N	
13. Solve problems which require knowing percentage and decimal equivalents of $^1/_2$, $^1/_4$, $^1/_5$, $^2/_5$, $^4/_5$ and those with a denominator of a multiple of 10 or 25.	N	
14. Mentally add and subtract tenths and mixed numbers with tenths.	N	
15. Add and subtract decimals up to 3 decimal places.	N	
16. Compare and order fractions whose denominators are all multiples of the same number.	N	
17. Identify, name and write equivalent fractions, including tenths and hundreths.	N	
18. Add and subtract fractions with the same denominator and related fractions; write mathematical statements >1 as a mixed number.	N	
19. Multiply proper fractions and mixed numbers by whole numbers up to 10	N	
20. Convert metric to common imperial units and imperial to metric.	M	
21. Measure and calculate the perimeter of composite rectilinear shapes in cm and m.	M	
22. Calculate and compare the areas of squares and rectangles using square centimetres and square metres and estimate the area of irregular shapes.	M	
23. Draw squares, rectangles and all triangles using given dimensions and angles with a protractor.	G	
24. State and use the properties of a rectangle (including squares) to deduce related facts.	G	
25. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.	G	
26. Identify multiples of 90°; angles at a point on a straight line and ½ a turn (total 180°); angles at a point and one whole turn (total 360°); reflex angles and compare different angles.	G	
27. Identify, describe and represent the position of a shape following a reflection or translation in all four quadrants, using the appropriate language, and know that the shape has not changed.	G	