



Name _____

**Stepping Stone 6 Entering/Developing**

I can...	2016	Date
1. Read, write, order and compare numbers up to 10,000,000.	N	
2. Round any whole number to a required degree of accuracy.	N	
3. Multiply numbers up to 4 digits by a 2-digit whole number using an efficient written method.	N	
4. Identify common factors, common multiples and revise prime numbers, square numbers and square roots.	N	
5. Add and subtract 2 positive and negative numbers e.g. $-3 - 4 = -7$.	N	
6. Identify the value of each digit to three decimal places by partitioning.	N	
7. Multiply and divide numbers by 10, 100 and 1000 where the answers are up to 3 decimal places.	N	
8. Convert a fraction to a decimal by dividing.	N	
9. Use common factors to simplify fractions.	N	
10. Use common multiples to express fractions in the same denomination.	N	
11. Compare and order fractions including fractions > 1 .	N	
12. Find a % of a given number.	N	
13. Use equivalences between simple fractions, decimals and percentages in different contexts.	N	
14. Generate and describe linear number sequences.	A	
15. Express missing number problems algebraically.	A	
16. Use simple formulae expressed in words.	A	
17. Recognise when it is necessary to use the formulae for area and volume of shapes.	M	
18. Solve problems by converting measurements of length, mass, volume and time from a smaller unit to a larger unit and vice versa, using decimal notation to 3 decimal places.	M	
19. Convert between miles and kilometres.	M	
20. Recognise, describe and build simple 3-D shapes including making nets.	G	
21. Recognise parallel and perpendicular planes.	G	
22. Illustrate and name parts of circles including radius, diameter and circumference.	G	
23. Use a protractor to measure and draw the angle of 2D shapes.	G	
24. Describe positions on the full co-ordinates grid (all four quadrants).	G	
25. Create shapes by joining up the co-ordinates to reflect and translate.	G	
26. Calculate and interpret the mean as an average.	S	



Name _____

**Stepping Stone 6 Secure**

I can...	2016	Date
1. Add and subtract using negative numbers in problems.	N	
2. Divide numbers up to 4-digits by a 2-digit whole number up to 20 using the efficient written method and interpret remainders as whole number remainders, fractions or by rounding, as appropriate for the context.	N	
3. Solve multi-step problems involving the 4 rules and use estimations to check answers to calculations.	N	
4. Use my knowledge of the order of operations to carry out calculations involving the 4 operations. (BODMAS)	N	
5. Add and subtract fractions with different denominators and mixed numbers using the concept of equivalent fractions.	N	
6. Multiply simple pairs of proper fractions writing the answer in its simplest form (e.g. $1/4 \times 1/2$).	N	
7. Divide proper fractions by whole numbers (e.g. $1/3 \div 2 = 1/6$).	N	
8. Multiply 1-digit numbers with up to 2 decimal places by whole numbers.	N	
9. Use written division methods in cases where the answer has up to 2 decimal places.	N	
10. Solve problems which require answers to be rounded to specified degrees of accuracy.	N	
11. Solve problems involving %.	N	
12. Solve problems involving the relative sizes of 2 quantities.	R	
13. Solve problems involving unequal sharing and grouping e.g. $3/5$ of the class are boys etc.	R	
14. Solve problems involving similar shapes where the scale factor is known or can be found.	R	
15. Solve simple ratio problems, reducing to its lowest form	R	
16. Find pairs of numbers that satisfy number sentences involving two unknowns e.g. what is $2a+3b$ if $a=2$ and $b=3$.	A	
17. Work out all possibilities of combinations of two variables.	A	
18. Recognise that shapes with the same areas can have different perimeters and vice versa.	M	
19. Calculate the area of parallelograms and triangles and be able to use the correct formulae.	M	
20. Calculate the volume of cubes and cuboids using centimetre cubed and cubic metres and extending to other units, such as mm cubed and km cubed.	M	
21. Classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.	G	
22. Find unknown angles where they meet at a point and are on a straight line and are vertically opposite on a variety of shapes.	G	
23. Identify missing co-ordinates in different shapes.	G	
24. Interpret and construct pie charts and use these to solve problems using my knowledge of angles, fractions and percentages.	S	
25. Interpret and construct line graphs and use these to solve problems.	S	