

Year 5 Maths I CANS

	Reasoning with large whole integers			
1	I can read, write, order and compare numbers up to one million			
2	I can round numbers within one million to the nearest multiple of powers of ten			
3	I can read Roman numerals up to M			
	Integer addition and subtraction			
1	I can use rounding to estimate			
2	I can use a range of mental calculation strategies to add and subtract integers			
3	I can illustrate and explain the written method of column addition and subtraction			
4	I can select efficient calculation strategies			
	Line graphs and timetables			
1	I can complete, read and interpret data presented in line graphs			
2	I can read and interpret timetables including calculating intervals			
	Multiplication and division			
1	I can identify multiples and factors			
2	I can investigate prime numbers			
3	I can multiply and divide by 10, 100 and 1000 (integers)			
4	I can derive multiplication and division facts			
5	I can illustrate and explain formal multiplication and division strategies such as short and long			
6	I can use a range of mental calculation strategies			
	Perimeter and area			
1	I can investigate area and perimeter of rectilinear shapes			
2	I can estimate area of non-rectilinear shapes			
	Fractions and decimals			
1	I can read, write, order and compare decimals			
2	I can round decimals to the nearest whole number			
3	I can represent, identify, name, write, order and compare fractions (including improper and mixed numbers)			
4	I can calculate fractions of amounts			
	Angles			
1	I can classify, compare and order angles			
2	I can measure and draw angles with a protractor			
3	I can understand and use angle facts to calculate missing angles			
	Fractions and percentages			
1	I can add and subtract fractions with denominators that are multiples of the same number			
2	I can multiply fractions (and mixed numbers) by a whole number			
3	I can explore percentage, decimal, fractions equivalence			
	Transformations			
1	I can use coordinates in all four quadrants			
2	I can understand translation and reflection			
3	I can calculate intervals across zero as a context for negative numbers			
	Converting units of measure			
1	I can convert between metric units of length, mass and capacity and units of time			
2	I can understand and use approximate conversion between imperial and metric			
	Calculating with whole numbers and decimals			
1	I can use mental strategies to add and subtract involving decimals			
2	I can use formal written strategies to add, subtract and multiply involving decimals			
3	I can multiply and divide by 10, 100 and 1000 involving decimals			
4	I can derive multiplication facts involving decimals			

	2-D and 3-D shape			
1	I can classify 2-D shapes and reason about regular and irregular polygons			
2	I can understand properties of diagonals of quadrilaterals			
3	I can classify 3-D shapes			
4	I can identify 2-D representations of 3-D shapes.			
	Volume			
1	I can use cube numbers and notation			
2	I can estimate volume			
3	I can convert units of volume			
	Problem solving			
1	I can understand negative numbers and calculate intervals across zero			
2	I can calculate the mean			
3	I can interpret remainders			
4	I can investigate numbers: consecutive, palindromic, multiples			

Mental Maths (Autumn, Spring and Summer)

	Addition and Subtraction			
1	I can derive/recall sums and differences of decimals, e.g. $6.5 + 2.7$, $7.8 - 1.3$.			
2	I can derive/recall doubles and halves of decimals, e.g. half of 5.6, double 3.4.			
3	I can derive/recall what must be added to any four-digit number to make the next multiple of 1000, e.g. $4087 + \square = 5000$.			
4	I can derive/recall what must be added to a decimal with ones and tenths to make the next whole number, e.g. $7.2 + \square = 8$.			
5	I can add or subtract a pair of two-digit numbers or three-digit multiples of 10 using partitioning when appropriate, e.g. $38 + 86$, $620 - 380$, $350 + 360$.			
6	I can add or subtract a near multiple of 10 or 100 to any two-digit or three-digit number, e.g. $235 + 198$.			
7	I can find the difference between near multiples of 100, e.g. $607 - 588$, or of 1000, e.g. $6070 - 4087$.			
8	I can add or subtract any pairs of decimal fractions each with ones and tenths, e.g. $5.7 + 2.5$, $6.3 - 4.8$.			
9	I can subtract by counting up from the smaller to the larger number, including money.			
10	I can double and adjust e.g. $24 + 23$.			
11	I can use knowledge of place value and related calculations, e.g. $6.3 - 4.8$ using $63 - 48$.			
12	I can count on or back in minutes and hours, bridging through 60 (analogue and digital times).			

	Multiplication and Division			
1	I can derive/ recall multiplication facts up to 12×12 .			
2	I can derive/ recall division facts corresponding to tables up to 12×12 , and the related unit fractions, e.g. $7 \times 9 = 63$ so one-ninth of 63 is 7 and one-seventh of 63 is 9.			
3	I can derive/ recall percentage equivalents of one-half, one-quarter, three-quarters, tenths and hundredths.			
4	I can derive/ recall factor pairs to 100.			
5	I can multiply and divide two-digit numbers by 4 or 8 using repeated doubling or halving, e.g. 26×4 , $96 \div 8$ using repeated doubling or halving.			
6	I can multiply two-digit numbers by 5 or 20 by forming an equivalent calculation, e.g. to multiply by 5, multiply by 10, then halve; to multiply by 20, double, then multiply by 10.			
7	I can multiply by 25 or 50, e.g. when multiplying by 50 multiply by 100 and divide by 2.			
8	I can double three-digit multiples of 10 to 500, e.g. 380×2 , and find the corresponding halves, e.g. $760 \div 2$.			
9	I can find the remainder after dividing a two-digit number by a single-digit number, e.g. $27 \div 4 = 6 \text{ R } 3$ using knowledge of division facts.			
10	I can multiply and divide whole numbers and decimals by 10, 100 or 1000, e.g. 4.3×10 , 0.75×100 , $25 \div 10$, $673 \div 100$, $74 \div 100$.			
11	I can multiply pairs of multiples of 10, e.g. 60×30 , and a multiple of 100 by a single digit number, e.g. 900×8 .			
12	I can divide a multiple of 10 by a single-digit number (whole number answers) e.g. $80 \div 4$, $270 \div 3$.			
13	I can find fractions of whole numbers or quantities, e.g. $\frac{2}{3}$ of 27, $\frac{4}{5}$ of 70 kg.			
14	I can find 50%, 25% or 10% of whole numbers or quantities, e.g. 25% of 20 kg, 10% of £80.			
15	I can find factor pairs for numbers to 100, e.g. 30 has the factor pairs 1×30 , 2×15 , 3×10 and 5×6 .			

