

## Maths Cycle 1 Year 7

<b>A: Place Value</b>											
1	2	3	4	5	6	7	8	9	10	11	12
Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths
100,000	10,000	1,000	100	10	1	Decimal Point	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$	$\frac{1}{10,000}$	$\frac{1}{100,000}$

<b>B: Definitions</b>		
1	Integer	A whole number
2	Decimal number	A number containing a decimal point
3	Ascending	Smallest to largest
4	Descending	Largest to smallest
5	Sum	To add up
6	Total	To add up
7	Difference	To subtract
8	Product	To multiply
9	Quotient	To divide
10	Remainder	A number that is left over after dividing
11	Multiple of a number	A number in that number's times table

<b>B: Definitions</b>		
12	Factor	A number that divides exactly into another number
13	Prime number	A number with exactly two factors
14	LCM	Lowest common multiple
15	HCF	Highest common factor
16	Perimeter	The distance around the outside of a 2D object
17	>	Greater than
18	<	Less than
19	=	Equal to
20	Estimate	An approximate calculation
21	Evaluate	Work out the value of

<b>C: Multiplying &amp; Dividing by Powers of 10</b>		
1	Multiply by 10	Digits move 1 place to left
2	Multiply by 100	Digits move 2 places to left
3	Multiply by 1000	Digits move 3 places to left
4	Divide by 10	Digits move 1 place to right
5	Divide by 100	Digits move 2 places to right
6	Divide by 1000	Digits move 3 places to right
<b>D: Laws</b>		
1	Commutative	$a + b = b + a$ $a \times b = b \times a$
2	Associative	$(a + b) + c = a + (b + c)$ $(a \times b) \times c = a \times (b \times c)$

<b>E: 7 Tables</b>	
1 x 7=	7
2 x 7=	14
3 x 7=	21
4 x 7=	28
5 x 7=	35
6 x 7=	42
7 x 7=	49
8 x 7=	56
9 x 7=	63
10 x 7=	70
11 x 7=	77
12 x 7=	84

<b>F: 8 Tables</b>	
1 x 8=	8
2 x 8=	16
3 x 8=	24
4 x 8=	32
5 x 8=	40
6 x 8=	48
7 x 8=	56
8 x 8=	64
9 x 8=	72
10 x 8=	80
11 x 8=	88
12 x 8=	96

<b>G: 12 Tables</b>	
1 x 12=	12
2 x 12=	24
3 x 12=	36
4 x 12=	48
5 x 12=	60
6 x 12=	72
7 x 12=	84
8 x 12=	96
9 x 12=	108
10 x 12=	120
11 x 12=	132
12 x 12=	144

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<b>B: Definitions</b>		
1	Integer	
2	Decimal number	
3	Ascending	
4	Descending	
5	Sum	
6	Total	
7	Difference	
8	Product	
9	Quotient	
10	Remainder	
11	Multiple of a number	

<b>B: Definitions</b>		
12	Factor	
13	Prime number	
14	LCM	
15	HCF	
16	Perimeter	
17	>	
18	<	
19	=	
20	Estimate	
21	Evaluate	

<b>C: Multiplying &amp; Dividing by Powers of 10</b>		
1	Multiply by 10	
2	Multiply by 100	
3	Multiply by 1000	
4	Divide by 10	
5	Divide by 100	
6	Divide by 1000	
<b>D: Laws</b>		
1	Commutative	
2	Associative	

<b>E: 7 Tables</b>		<b>F: 8 Tables</b>		<b>G: 12 Tables</b>	
1 x 7=		1 x 8=		1 x 12=	
2 x 7=		2 x 8=		2 x 12=	
3 x 7=		3 x 8=		3 x 12=	
4 x 7=		4 x 8=		4 x 12=	
5 x 7=		5 x 8=		5 x 12=	
6 x 7=		6 x 8=		6 x 12=	
7 x 7=		7 x 8=		7 x 12=	
8 x 7=		8 x 8=		8 x 12=	
9 x 7=		9 x 8=		9 x 12=	
10 x 7=		10 x 8=		10 x 12=	
11 x 7=		11 x 8=		11 x 12=	
12 x 7=		12 x 8=		12 x 12=	