

**CHRIST CHURCH NEW MALDEN**

---

# MATHS PASSPORT

# 5



---

**BECOMING THE PEOPLE GOD MADE US TO BE**

<b>Target</b>	<b>Example</b>
I can read numbers to at least 1000000	<i>e.g. 974583</i>
I can write numbers to at least 1000000	<i>e.g. 723894</i>
I can say, read and write decimal fractions up to 3 decimal places	<i>e.g. 5.914</i>
I can count forwards and backwards in steps of powers of 10 for any given number up to 1000000	<i>e.g. One, ten, hundred, thousand, ten thousand, hundred thousand, million, Or Six, sixty, six hundred, six thousand, sixty thousand, six hundred thousand, six million</i>
I can count forwards and backwards with positive and negative whole numbers, including through zero	<i>e.g. 5, 4, 3, 2, 1, 0, -1, -2,</i>
I can count forwards and backwards in simple fractions, including bridging through zero	<i>e.g. -3/10, -2/10, -1/10, 0, 1/10, 2/10, 3/10</i>
I can count forwards and backwards in simple decimals, including bridging through zero	<i>e.g. -0.4, -0.2, 0, 0.2, 0.4, 0.6</i>
I can read Roman numerals from I to M	<i>See back page.</i>
I can add large numbers mentally	<i>13289+3500=16789</i>
I can subtract large numbers mentally	<i>12462-2300=10162</i>
I can identify multiples	<i>A multiple is a number multiplied e.g. Multiples of 4 are: 8, 12, 16, 20 etc</i>
I can identify all factor pairs of a number	<i>A factor is a number that divides exactly into another number. e.g. Factor pairs of 6 1x6 2x3</i>

I know prime numbers up to 19	<i>e.g. a prime number is a number only divisible by itself and 1 2,3,5,7,11,13,17,19</i>
I know what a prime factor is	<i>e.g. every number can be written as a product of prime factors e.g. <math>40=2 \times 2 \times 2 \times 5</math></i>
I know what a composite (non-prime) number is	<i>A whole number that can be divided evenly by numbers other than 1 and itself.</i>
I can multiply numbers mentally drawing upon known facts	<i>e.g. <math>0.5 \times 7 = 3.5</math> use <math>5 \times 7 = 35</math> as your known fact</i>
I can divide numbers mentally drawing upon known facts	<i>e.g. <math>4.2 \div 6 = 0.7</math> use <math>42 \div 6 = 7</math> as your known facts</i>
I can multiply a number by 1000 (including decimals)	<i>e.g. <math>57 \times 1000 = 57000</math></i>
I can divide any number by 1000 (including decimals)	<i>e.g. <math>674 \div 1000 = 0.674</math></i>
I know all squares of numbers up to $12 \times 12$	<i>e.g. <math>3 \times 3</math>, <math>8 \times 8</math></i>
I know what a cube number is	<i>A cube number is made by multiplying a number by itself three times e.g. 2 cubed is <math>2 \times 2 \times 2 = 8</math></i>
I can mentally add and subtract decimals that are complements to 1	<i>e.g. <math>0.83 + 0.17 = 1</math></i>

# Roman Numbers

1	I	40	XL
2	II	50	L
3	III	60	LX
4	IV	70	LXX
5	V	80	LXXX
6	VI	90	XC
7	VII	100	C
8	VIII	200	CC
9	IX	300	CCC
10	X	400	CD
11	XI	500	D
12	XII	600	DC
13	XIII	700	DCC
14	XIV	800	DCCC
15	XV	900	CM
16	XVI	1000	M
17	XVII	5000	$\bar{V}$
18	XVIII	10000	$\bar{X}$
19	XIX	50000	$\bar{L}$
20	XX	100000	$\bar{C}$
30	XXX	500000	$\bar{D}$
40	XL	1000000	$\bar{M}$