# CHRIST CHURCH NEW MALDEN

# MATHS PASSPORT

# 5

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

| | |
|---|---|
| I know prime numbers up to 19 | e.g. a prime number is a number only divisible by itself and 1 2,3,5,7,11,13,17,19 |
| I know what a prime factor is | e.g. every number can be written as a product of prime factors e.g. 40=2x2x2x5 |
| I know what a composite (non-prime) number is | A whole number that can be divided evenly by numbers other than 1 and itself. |
| I can multiply numbers mentally drawing upon known facts | e.g. 0.5x7=3.5 use 5x7=35 as your known fact |
| I can divide numbers mentally drawing upon known facts | e.g. 4.2÷6=0.7 use 42÷6=7 as your known facts |
| I can multiply a number by 1000 (including  decimals) | e.g. 57x1000=57000 |
| I can divide any number by 1000 (including decimals) | e.g. 674÷1000=0.674 |
| I know all squares of numbers up to 12x12 | e.g. 3x3, 8x8 |
| I know what a cube number is | A cube number is made by multiplying a number by itself three times e.g. 2 cubed is 2x2x2=8 |
| I can mentally add and subtract decimals that are complements to 1 | e.g. 0.83+0.17 = 1 |

# 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 | $\overline{V}$ |
| 18 | XVIII | 10000 | $\overline{X}$ |
| 19 | XIX | 50000 | $\overline{L}$ |
| 20 | XX | 100000 | $\overline{C}$ |
| 30 | XXX | 500000 | $\overline{D}$ |
| 40 | XL | 1000000 | $\overline{M}$ |