

The Vale Primary School Core Mental Maths Skills

Year R

- Be able to recognise numbers 0 to 20
- Be able to order numbers 0 to 20
- Be able to count forwards and backwards in 1's to 50
- Be able to say the number 1 more or 1 less for numbers to 20

The Vale Primary School Core Mental Maths Skills

Year 1

- Be able to read and write numbers to 100
- Be able to read and write numbers from 1 to 20 in numerals and words
- Be able to count forwards and backwards in 1's beyond 100
- Be able to count in twos, fives and tens
- Be able to say the number 1 more or 1 less for numbers to 100
- Recall number bonds for 10 and related subtraction facts

The Vale Primary School

Core Mental Maths Skills

Year 2

- Be able to read and write numbers to 100 in numerals and words
- Be able to recognise the place value of 2-digit numbers
- Be able to give 10 more or less for numbers to 100
- Be able to count in steps of 2, 3, 5 and 10
- Be able to compare and order numbers 0 to 100
- Be able to rapidly recall and use addition and subtraction facts to 20
- Be able to add and subtract two 2-digit numbers mentally
- Be able to use inverse to check answers
- Be able to recall multiplication and division facts for the 2, 5 and 10 times tables
- Be able to count in halves and quarters to ten

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Year 3

- Be able to read and write numbers to at least 100 in numerals and words
- Be able to recognise the place value of 3-digit numbers
- Be able to compare and order numbers to 1000
- Be able to count in multiples of 2, 3, 4, 5, 8, 10, 50 and 100
- Be able to give 10 or 100 more or less than a given number
- Be able to add and subtract 3-digit numbers to and from ones, tens or hundreds mentally
- Be able to recall and use multiplication and division facts for the 3, 4, 8 times tables
- Be able to identify, name and write fractions up to twelfths
- Be able to recognise fractions which add up to one

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Year 4

- Be able to read and write numbers to at least 10000
- Be able to recognise the place value of each digit in a 4-digit number
- Be able to order and compare numbers to 10000
- Be able to round a number to the nearest 10 or 100
- Be able to count in multiples of 2, 3, 4, 5, 6, 7, 8, 9, 10, 25, 50, 100 and 1000 from any given number
- Be able to accurately add and subtract numbers up to 100 mentally
- Be able to recall multiplication and division facts for times tables to 12x12
- Be able to recognise and use factor pairs within 144

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Year 5

- Be able to read and write numbers to 1000000
- Be able to order and compare numbers to 1000000
- Be able to recognise the place value of up to 7-digit numbers
- Be able to count forwards and backwards in steps of 100, 1000 or 10000 from any given number up to 1000000
- Add and subtract numbers to at least 3-digits mentally
- Be able to identify multiples and factors
- Be able to recall the prime numbers to 19
- Be able to accurately multiply and divide numbers mentally up to 12×12
- Be able to multiply and divide numbers by 10, 100 and 1000
- Compare and order fractions with different denominators eg. $\frac{1}{10}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{9}{10}$
- Be able to read and write decimal numbers as fractions eg. $0.25 = \frac{1}{4}$, $0.5 = \frac{1}{2}$, $0.33 = \frac{1}{3}$
- Be able to recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- Be able to read and write numbers with up to three decimal places

- Be able to order and compare numbers with up to three decimal places

- Be able to write simple fractions as percentages and decimals as percentages

The Vale Primary School Core Mental Maths Skills

Year 6

- Be able to read and write numbers to 10 million
- Be able to order and compare numbers up to 10 million
- Be able to recognise binary numbers to 15
- Be able to convert between binary and decimal numerals
- Be able to perform mental calculations, including with mixed operations and large numbers up to 1 million
- Be able to identify the value of each digit to three decimal places
- Be able to multiply and divide numbers up to three decimal places by 10, 100 and 1000
- Be able to recall and use equivalences between fractions, decimals and percentages eg. $\frac{1}{2} = 0.5 = 50\%$, $\frac{1}{3} = 0.33 = 33.3\%$