

Daily Maths Arithmetic

The non-negotiables are essential elements and 'basics' of maths that are crucial for children's mathematical learning and progression. Once concepts have been taught within each year group, they should become part of daily arithmetic: allowing children regular opportunities to develop basic skills and pace needed to access written strategies and problems solving activities.

<u>Reception</u>	<ul style="list-style-type: none">• Count reliably with numbers from 1 to 20• Recognise numbers 1-20 and place numbers in order• Say which number is one more or one less than a given number to 20• Estimate number of objects and check by counting• Add two small groups of objects (to 10)
<u>Year One</u>	<ul style="list-style-type: none">• Write numbers from 0-9 with correct formation• Count at least 20 objects reliably• Count to at least 100• Count on and back in ones, twos, fives and tens• Can double up to $10 + 10$• Read, write & order numbers from 0 to at least 100• Say what is one more & one less than a given number to 100• Add & subtract two numbers using the correct symbols within 20• Know by heart addition and subtraction facts to 20 & use bonds to at least 20
<u>Year Two</u>	<ul style="list-style-type: none">• Count to over 100• Explain value of digits (up to 3 digits)• Read, write & order numbers up to 100• Count on and back in twos, threes, fives & tens from any number• Know by heart addition and subtraction facts to 20 & use all bonds to 10• Know all number pairs to 100 using 'ten' numbers• Can double all numbers up to 10 and halve all even numbers up to 20• Quick recall of $\times 2$, $\times 5$ and $\times 10$ and division facts• Tell time to half & quarter hour
<u>Year Three</u>	<ul style="list-style-type: none">• Read, write and order numbers to 1000 and know value the of each digit• Count on and back in fours, tens, fiftieths and hundreds from any number under 1000• Know by heart addition & subtraction facts to 20• Add and subtract mentally up to 3-digit numbers• Add and subtract one digit and two-digit numbers using the column method• Know by heart $\times 2$, $\times 3$, $\times 4$, $\times 5$, $\times 8$ and $\times 10$ (and division facts)• Complete simple divisions, e.g. 27 divided by 5• Find simple fractions, e.g. $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{10}$ of shapes & amounts• Tell time to the nearest 5 minutes• Count up and down in tenths• Use £.p and know value of amounts

<u>Year Four</u>	<ul style="list-style-type: none"> • Read, write and order numbers to 10,000, and know value of each digit • Count in sixes, sevens, nines, twenty fives and thousands and count back past zero on a number line • Count up and down in tenths and hundredths • Know by heart all times tables to 12x12 (and division facts) • New multiplication and division facts in Y4 are $\times 6$ $\times 7$ $\times 9$ $\times 11$ and $\times 12$ • Round numbers (up to 3 digits) to nearest 10, 100 or 1000 • Add and subtract mentally pairs of two-digit numbers • Multiply and divide 2-digit numbers by 10 or 100 • Divide (up to 4 digits) numbers by 10 or 100 • Multiply and divide numbers up to 100 by 2, 3, 4 or 5 and find remainders • Identify pairs of fractions that total 1 and equivalent fractions • Tell the time to the nearest minute
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<u>Year Five</u>	<ul style="list-style-type: none"> • Read, write and order numbers to 3dp; know value of each digit up to 1,000,000 • Multiply & divide positive integers up to 1,000,000 by powers of 10 • Order sets of positive and negative integers • Calculate halves & doubles of decimals (to 1dp) • Round numbers with 1 or 2dp to nearest integer • Use division to find fractions of a number • Know the % and decimals of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$ and $\frac{4}{5}$ and any fractions with a denominator which is a multiple of 10 or 25 • Mentally add and subtract increasingly large numbers • Know by heart all multiplication and division facts to 12x12 • Identify multiples and factor pairs of a number and identify common factors of 2 numbers • Use long multiplication and long division with increasingly large number • Double numbers to 100 in head
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<u>Year Six</u>	<ul style="list-style-type: none"> • Multiply and divide integers and decimals mentally by powers of 10 • Use tables to work with decimals (to 1dp) • Use multiplication facts to derive squares of numbers to 12x12 • Order mixed set of numbers (up to 3dp) • Work out simple % and fractions of whole numbers • Work out which fraction is larger/smaller by cancelling common factors • Recall equivalences between fractions, decimals and percentages • Use appropriate written methods • Use pencil & paper methods & mental methods to add & subtract decimals • Multiply and divide fractions • Divide numbers and record the remainder as a decimal to 2dp • Round answers to a given degree of accuracy • Add and subtract using decimals
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