

Stanton Bridge Primary School

Mathematics Calculation Routeway

Times Tables

Please note that it is an expectation that every child knows off by heart up to **their 12x12 tables by the end of year 4.**

It is essential that your child spends time every day practising through constant revision.

Times tables can be found on the school website.

$0+20=20$

$1+19=20$

$2+18=20$

$3+17=20$

$4+16=20$

$5+15=20$

$6+14=20$

$7+13=20$

$8+12=20$

$9+11=20$

$10+10=20$



$20+0=20$

$19+1=20$

$18+2=20$

$17+3=20$

$16+4=20$

$15+5=20$

$14+6=20$

$13+7=20$

$12+8=20$

$11+9=20$

$10+10=20$

2
 $1 \times 2 = 2$
 $2 \times 2 = 4$
 $3 \times 2 = 6$
 $4 \times 2 = 8$
 $5 \times 2 = 10$
 $6 \times 2 = 12$
 $7 \times 2 = 14$
 $8 \times 2 = 16$
 $9 \times 2 = 18$
 $10 \times 2 = 20$
 $11 \times 2 = 22$
 $12 \times 2 = 24$

3
 $1 \times 3 = 3$
 $2 \times 3 = 6$
 $3 \times 3 = 9$
 $4 \times 3 = 12$
 $5 \times 3 = 15$
 $6 \times 3 = 18$
 $7 \times 3 = 21$
 $8 \times 3 = 24$
 $9 \times 3 = 27$
 $10 \times 3 = 30$
 $11 \times 3 = 33$
 $12 \times 3 = 36$

4
 $1 \times 4 = 4$
 $2 \times 4 = 8$
 $3 \times 4 = 12$
 $4 \times 4 = 16$
 $5 \times 4 = 20$
 $6 \times 4 = 24$
 $7 \times 4 = 28$
 $8 \times 4 = 32$
 $9 \times 4 = 36$
 $10 \times 4 = 40$
 $11 \times 4 = 44$
 $12 \times 4 = 48$

5
 $1 \times 5 = 5$
 $2 \times 5 = 10$
 $3 \times 5 = 15$
 $4 \times 5 = 20$
 $5 \times 5 = 25$
 $6 \times 5 = 30$
 $7 \times 5 = 35$
 $8 \times 5 = 40$
 $9 \times 5 = 45$
 $10 \times 5 = 50$
 $11 \times 5 = 55$
 $12 \times 5 = 60$

6
 $1 \times 6 = 6$
 $2 \times 6 = 12$
 $3 \times 6 = 18$
 $4 \times 6 = 24$
 $5 \times 6 = 30$
 $6 \times 6 = 36$
 $7 \times 6 = 42$
 $8 \times 6 = 48$
 $9 \times 6 = 54$
 $10 \times 6 = 60$
 $11 \times 6 = 66$
 $12 \times 6 = 72$

7
 $1 \times 7 = 7$
 $2 \times 7 = 14$
 $3 \times 7 = 21$
 $4 \times 7 = 28$
 $5 \times 7 = 35$
 $6 \times 7 = 42$
 $7 \times 7 = 49$
 $8 \times 7 = 56$
 $9 \times 7 = 63$
 $10 \times 7 = 70$
 $11 \times 7 = 77$
 $12 \times 7 = 84$

8
 $1 \times 8 = 8$
 $2 \times 8 = 16$
 $3 \times 8 = 24$
 $4 \times 8 = 32$
 $5 \times 8 = 40$
 $6 \times 8 = 48$
 $7 \times 8 = 56$
 $8 \times 8 = 64$
 $9 \times 8 = 72$
 $10 \times 8 = 80$
 $11 \times 8 = 88$
 $12 \times 8 = 96$

9
 $1 \times 9 = 9$
 $2 \times 9 = 18$
 $3 \times 9 = 27$
 $4 \times 9 = 36$
 $5 \times 9 = 45$
 $6 \times 9 = 54$
 $7 \times 9 = 63$
 $8 \times 9 = 72$
 $9 \times 9 = 81$
 $10 \times 9 = 90$
 $11 \times 9 = 99$
 $12 \times 9 = 108$

10
 $1 \times 10 = 10$
 $2 \times 10 = 20$
 $3 \times 10 = 30$
 $4 \times 10 = 40$
 $5 \times 10 = 50$
 $6 \times 10 = 60$
 $7 \times 10 = 70$
 $8 \times 10 = 80$
 $9 \times 10 = 90$
 $10 \times 10 = 100$
 $11 \times 10 = 110$
 $12 \times 10 = 120$

11
 $1 \times 11 = 11$
 $2 \times 11 = 22$
 $3 \times 11 = 33$
 $4 \times 11 = 44$
 $5 \times 11 = 55$
 $6 \times 11 = 66$
 $7 \times 11 = 77$
 $8 \times 11 = 88$
 $9 \times 11 = 99$
 $10 \times 11 = 110$
 $11 \times 11 = 121$
 $12 \times 11 = 132$

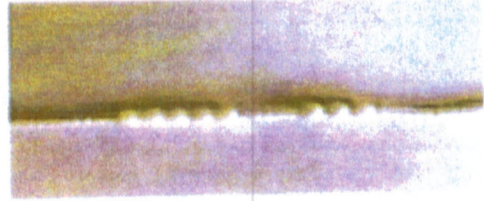
12
 $1 \times 12 = 12$
 $2 \times 12 = 24$
 $3 \times 12 = 36$
 $4 \times 12 = 48$
 $5 \times 12 = 60$
 $6 \times 12 = 72$
 $7 \times 12 = 84$
 $8 \times 12 = 96$
 $9 \times 12 = 108$
 $10 \times 12 = 120$
 $11 \times 12 = 132$
 $12 \times 12 = 144$

Addition

Key stage one mathematics calculation focuses on the deeper knowledge and understanding of concepts and mental strategies needed before moving onto written. It is essential to children's mathematical development that they are given the opportunity to access these concepts across the curriculum, showing a mastery level understanding before moving onto full written methods. Key to this development is the natural links from mental to written strategy - allow children to experience the written form alongside the practical.

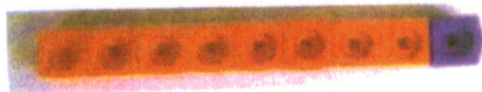
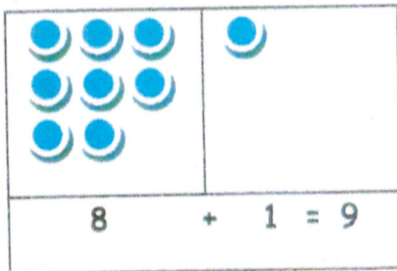
Joining two groups and the recounting all objects using one to one correspondence.

$$3 + 4 = 7$$

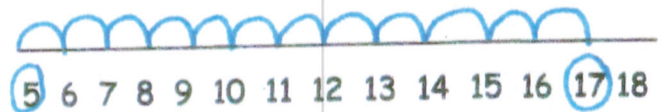
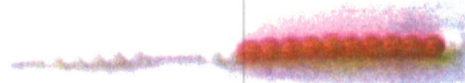


Counting on (Single digit from single digit, single digit from two-digit)

$$8 + 1 = 9$$



$$5 + 12 = 17$$

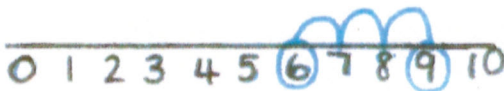


Number bonds to 10 and 20.

Add with numbers up to 20.

Use fingers, number lines and hundred squares to add by counting in ones, starting with the largest number first,

$$6 + 3 = 9$$



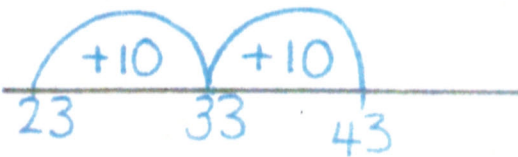
$$15 + 4 = 19$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

* Also use bead strings to help consolidate understanding of bridging through 10.

Add 2 digit numbers and tens

$$23 + 20 = 43$$



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Add two digit numbers and units

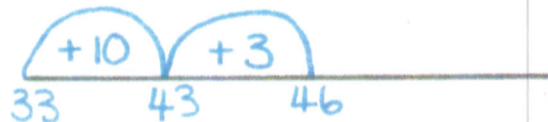
$$17 + 6 = 23$$



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Add two pairs of 2-digit numbers using partitioning

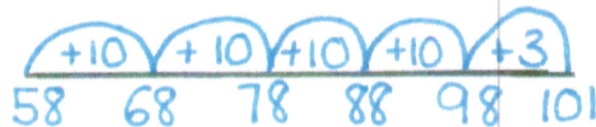
$$33 + 13 = 46$$



Note: Only use numbers with units that do not cross the tens boundary until children are secure with the method.

Partitioned column method

$$58 + 43 = 101$$



Lower Key Stage 2

Year 3

Add numbers with up to 3 digits, using formal written methods of columnar addition.

Expanded method

$$73 + 59$$

$$\begin{array}{r} 73+ \\ 59 \\ \hline 12 \text{ (3+9)} \\ 120 \text{ (70+50)} \\ \hline 132 \end{array}$$

Columnar addition - no exchanges.

$$\begin{array}{r} 341+ \\ 226 \\ \hline 567 \end{array}$$

Columnar addition - one exchange

$$\begin{array}{r} 347+ \\ 215 \\ \hline 562 \\ | \end{array}$$

Columnar addition - two exchanges.

$$\begin{array}{r} 537 \\ 396+ \\ \hline 933 \\ | \quad | \end{array}$$

Adding numbers with differing amounts of digits.

$$\begin{array}{r} 261+ \\ 93 \\ \hline 354 \\ | \end{array} \quad \begin{array}{r} 679+ \\ 154 \\ \hline 833 \\ | \quad | \end{array}$$

Year 4

Add numbers with up to 4 digits, using formal written methods of columnar addition.

Columnar addition - no exchanges.

$$\begin{array}{r} 5651+ \\ 3123 \\ \hline 8774 \end{array}$$

Columnar addition - one exchange

$$\begin{array}{r} 5651+ \\ 3163 \\ \hline 8814 \\ | \end{array}$$

Columnar addition - two exchanges.

$$\begin{array}{r} 5651+ \\ 3169 \\ \hline 8820 \\ | \quad | \end{array}$$

Columnar addition - three exchanges.

$$\begin{array}{r} 5651+ \\ 3569 \\ \hline 9220 \\ | \quad | \quad | \end{array}$$

Adding numbers with differing amounts of digits.

$$\begin{array}{r} 5651+ \\ 569 \\ \hline 6220 \\ | \quad | \quad | \end{array} \quad \begin{array}{r} 3578+ \\ 319 \\ \hline 3897 \\ | \quad | \quad | \end{array}$$

Adding 3 numbers.

$$\begin{array}{r} 261+ \\ 319 \\ 104 \\ \hline 684 \\ | \end{array} \quad \begin{array}{r} 261+ \\ 564 \\ 109 \\ \hline 934 \\ | \quad | \end{array}$$

Upper Key Stage 2

Year 5

Add whole numbers with more than 4 digits using columnar addition.

Columnar addition - three exchanges.

$$\begin{array}{r} 5651 + \\ 3569 \\ \hline 9220 \\ \hline \end{array}$$

Columnar addition - various exchanges.

$$\begin{array}{r} 63419 + \\ 36973 \\ \hline 100392 \\ \hline \end{array}$$

Adding numbers with differing amounts of digits and decimals.

$$\begin{array}{r} 2319 + \\ 53 \\ \hline 2993 \\ \hline \end{array} \quad \begin{array}{r} 23.64 + \\ 194.06 \\ \hline 217.70 \\ \hline \end{array}$$

Year 6

Pupils practice addition for larger numbers, using the efficient written methods of columnar addition.

Columnar addition - various exchanges.

$$\begin{array}{r} 63419 + \\ 36973 \\ \hline 100392 \\ \hline \end{array}$$

Numbers with differing decimal places.

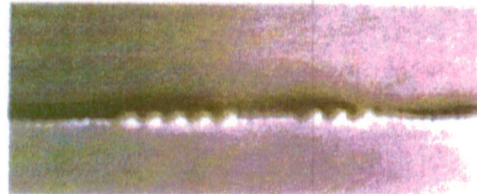
$$\begin{array}{r} 5.316 + \\ 23.010 \\ 396.051 \\ \hline 424.377 \\ \hline \end{array}$$

Subtraction

Key stage one mathematics calculation focuses on the deeper knowledge and understanding of concepts and mental strategies needed before moving onto written. It is essential to children's mathematical development that they are given the opportunity to access these concepts across the curriculum, showing a mastery level understanding before moving onto full written methods. Key to this development is the natural links from mental to written strategy - allow children to experience the written form alongside the practical.

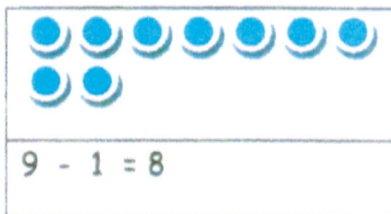
Separating one group from the larger and counting what is left over.

$$7 - 3 = 4$$

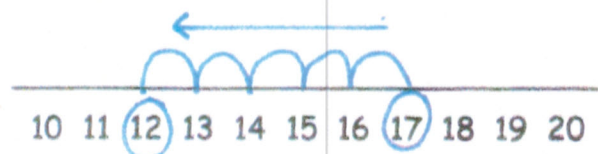


Counting back (Single digit from single digit, single digit from two-digit)

$$9 - 1 = 8$$



$$17 - 5 = 12$$



Number bonds to 10 and 20.



Subtract with numbers up to 20.

Use fingers, number lines and hundred squares to subtract by counting back in ones.

$$9 - 6 = 3$$



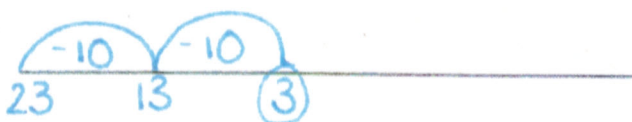
$$15 - 4 = 11$$

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

* Also use bead strings to help consolidate understanding of bridging through 10.

Subtract 2 digit numbers and tens

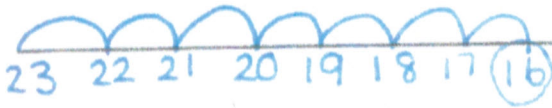
$$23 - 20 = 3$$



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Subtracting two digit numbers and units

$$23 - 7 = 16$$



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Subtract two pairs of 2-digit numbers using partitioning

$$33 - 12 = 21$$

$$\begin{array}{r} 30 + 3 \\ - 10 + 2 \\ \hline 20 + 1 = 21 \end{array}$$

* Note: Only use numbers with units that do not cross the tens boundary until children are secure with the method.

Partitioned column method

$$64 - 35 = 29$$

$$\begin{array}{r} 50 \\ \cancel{60} + 4 \\ - 30 + 5 \\ \hline 20 + 9 = 29 \end{array}$$

Lower Key Stage 2

Year 3

Subtract numbers with up to 3 digits, using formal written methods of columnar addition.

Expanded method

$$634 - 219$$

$$600 + \overset{20}{30} + \overset{14}{4}$$

$$- 200 + 10 + 9$$

$$400 + 10 + 5 = 415$$

Columnar subtraction - no exchanges.

$$\begin{array}{r} 635 - \\ - 213 \\ \hline 422 \end{array}$$

Columnar subtraction - one exchange

$$\begin{array}{r} \overset{6}{7}184 - \\ - 391 \\ \hline 393 \end{array}$$

Columnar subtraction - two exchanges.

$$\begin{array}{r} \overset{6}{7}1\overset{1}{8}4 - \\ - 396 \\ \hline 388 \end{array}$$

Columnar subtraction - including zero

$$\begin{array}{r} \overset{3}{4}103 - \\ - 261 \\ \hline 142 \end{array}$$

Subtracting numbers with differing amounts of digits.

$$\begin{array}{r} 649 - \\ - 31 \\ \hline 618 \end{array} \quad \begin{array}{r} \overset{5}{6}1\overset{3}{4}18 - \\ - 69 \\ \hline 579 \end{array}$$

Year 4

Subtract numbers with up to 4 digits, using formal written methods of columnar addition.

Columnar subtraction no exchanges.

$$\begin{array}{r} 5837 \\ - 1324 \\ \hline 4513 \end{array}$$

Columnar subtraction - one exchange

$$\begin{array}{r} \overset{6}{7}1\overset{6}{6}7 \\ - 2392 \\ \hline 2375 \end{array}$$

Columnar subtraction - two exchanges.

$$\begin{array}{r} \overset{6}{7}1\overset{5}{5}\overset{3}{3}3 \\ - 3728 \\ \hline 3825 \end{array}$$

Columnar subtraction - three exchanges.

$$\begin{array}{r} \overset{5}{6}\overset{2}{2}\overset{1}{1}\overset{1}{1}5 \\ - 1536 \\ \hline 4789 \end{array}$$

Columnar subtraction - including zero

$$\begin{array}{r} \overset{5}{6}\overset{1}{1}\overset{3}{3}\overset{1}{1}43 \\ - 4781 \\ \hline 1262 \end{array}$$

Subtracting numbers with differing amounts of digits.

$$\begin{array}{r} \overset{4}{5}\overset{1}{1}34 \\ - 254 \\ \hline 1280 \end{array}$$

Upper Key Stage 2

Year 5

Subtract whole numbers with more than 4 digits using formal written methods (columnar).

Columnar subtraction - three exchanges.

$$\begin{array}{r} \cancel{5}^4 \cancel{3}^2 \cancel{2}^1 5 \\ - 1536 \\ \hline 4789 \end{array}$$

Columnar subtraction - various exchanges.

$$\begin{array}{r} \cancel{7}^4 \cancel{3}^5 \cancel{5}^6 \\ - 32539 \\ \hline 42826 \end{array}$$

Subtracting numbers with differing amounts of digits and decimals.

$$\begin{array}{r} \cancel{1}^4 \cancel{3}^5 4 \\ - 254 \\ \hline 1280 \end{array} \quad \begin{array}{r} \cancel{5}^6 1.3 \\ - 12.1 \\ \hline 48.2 \end{array}$$

Year 6

Pupils practice subtraction, for larger numbers, using the efficient written methods of columnar subtraction

Columnar subtraction - various exchanges.

$$\begin{array}{r} \cancel{7}^4 \cancel{3}^5 \cancel{5}^6 \\ - 32539 \\ \hline 42826 \end{array}$$

Numbers with differing decimal places.

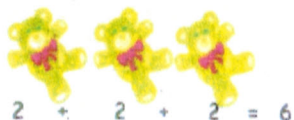
$$\begin{array}{r} \cancel{2}^1 \cancel{2}^6 \cancel{7}^4 \cancel{5}^8 \\ - 62.63 \\ \hline 264.87 \end{array}$$

Multiplication

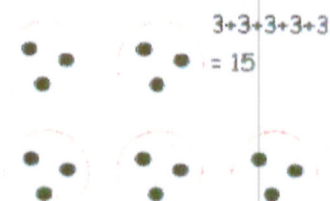
Key stage one mathematics calculation focuses on the deeper knowledge and understanding of concepts and mental strategies needed before moving onto written. It is essential to children's mathematical development that they are given the opportunity to access these concepts across the curriculum, showing a mastery level understanding before moving onto full written methods. Key to this development is the natural links from mental to written strategy - allow children to experience the written form alongside the practical.

Multiply with concrete objects, arrays and pictorial representations.

How many legs will 3 teddies have?



There are 3 sweets in one bag.
How many sweets are in 5 bags altogether?



Counting in groups of 2's, 5's and 10's.

How many eyes?



Multiply using arrays and repeated addition.

Using a number line:

Starting with zero, make equal jumps up on a number line.



$$4 \times 5 = 20$$

Using arrays:



$$3 \times 5 = 15$$

$$5 \times 3 = 15$$

$$5 \times 3 = 3 + 3 + 3 + 3 = \underline{15}$$

$$3 \times 5 = 5 + 5 + 5 = \underline{15}$$

* Note: Use arrays to help teach children the commutative law of multiplication and give examples such as $3 \times \underline{\quad} = 15$



Lower Key Stage 2

Year 3

Write and calculate mathematical statements for multiplication using the multiplication tables that they know, including for two-digit numbers time one-digit numbers, using mental and progressing to formal written methods.

Grid Method

$$23 \times 4$$

$$\begin{array}{r|l|l} \times & 20 & 3 \\ \hline 4 & 80 & 12 \end{array} = 92$$

$$42 \times 6$$

$$\begin{array}{r|l|l} \times & 40 & 2 \\ \hline 6 & 240 & 12 \end{array} = 252$$

Year 4

Multiply two-digit and three-digit numbers by a one-digit number using formal written layout.

Grid method

$$\begin{array}{r|l|l|l} & 100 & 30 & 4 \\ \hline \times & 5 & 150 & 20 \end{array} \begin{array}{r} 500 \\ + 150 \\ \hline 20 \\ \hline 670 \end{array}$$

Expanded Method.

$$24 \times 3$$

$$\begin{array}{r} 24 \\ \times 3 \\ \hline 12 \text{ (} 4 \times 3 \text{)} \\ 60 \text{ (} 20 \times 3 \text{)} \\ \hline 72 \end{array}$$

Formal written layout.

$$42 \times 3$$

$$\begin{array}{r} 42 \times \\ 3 \\ \hline 126 \end{array}$$

$$36 \times 4$$

$$\begin{array}{r} 36 \times \\ 4 \\ \hline 144 \end{array}$$

Formal written layout.

$$312 \times 6$$

$$\begin{array}{r} 312 \times \\ 6 \\ \hline 1872 \end{array}$$

$$276 \times 4$$

$$\begin{array}{r} 276 \times \\ 4 \\ \hline 1104 \\ \hline 32 \end{array}$$

Upper Key Stage 2

Year 5

Year 6

Multiply numbers up to 4 digits by a one or two digit number using a formal written method, including long multiplication for two digit numbers.

Formal written method

$$\begin{array}{r}
 2513 \times 7 \\
 \hline
 17591 \\
 \hline
 \end{array}$$

Long multiplication

$$\begin{array}{r}
 27 \times 34 \\
 \hline
 108 \\
 810 \\
 \hline
 918
 \end{array}$$

Long multiplication

$$\begin{array}{r}
 124 \times 26 \\
 \hline
 744 \\
 2480 \\
 \hline
 3224
 \end{array}$$

Multiply multi digit numbers up to 4 digits by a two digit whole number using the formal written method of long multiplication.

Multiply one digit numbers with up to two decimal places by whole numbers.

Formal written method.

$$\begin{array}{r}
 6027 \times 24 \\
 \hline
 24108 \\
 120540 \\
 \hline
 144648
 \end{array}$$

Formal written method using decimals.

$$\begin{array}{r}
 8.7 \times 6 \\
 \hline
 52.2 \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 243.6 \times 6 \\
 \hline
 1461.6 \\
 \hline
 \end{array}$$

Formal written method using decimals.

$$\begin{array}{r}
 31.26 \times 32 \\
 \hline
 62.52 \\
 937.80 \\
 \hline
 1000.32
 \end{array}$$

Division

Key stage one mathematics calculation focuses on the deeper knowledge and understanding of concepts and mental strategies needed before moving onto written. It is essential to children's mathematical development that they are given the opportunity to access these concepts across the curriculum, showing a mastery level understanding before moving onto full written methods. Key to this development is the natural links from mental to written strategy - allow children to experience the written form alongside the practical.

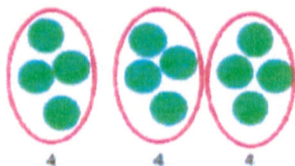
Group and share small quantities

How many groups of 4 can be made with 12 stars?

Grouping:



Sharing:

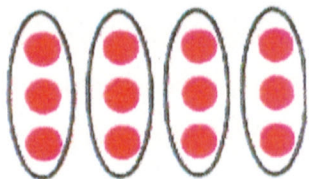


What is 12 shared between 3?

* Note: Use lots of practical apparatus, arrays and pictorial representation. Ensure children understand the difference between grouping and sharing.

Group and share, using the + and = signs.

How many groups of 3 are in 12?



$$12 \div 3 = 4$$

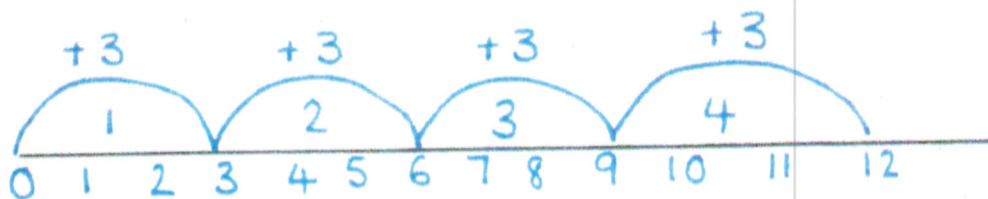
Children should also recognise that

$$12 \div 4 = 3$$

Grouping using a number line

How many groups of 3 are in 12?

(A CD costs £3. How many CDs can I buy for £12?)



$$12 \div 3 = 4$$

Lower Key Stage 2

Year 3

Pupils develop reliable written methods for division, starting with calculations of two-digit numbers by one-digit numbers and progressing to the formal written methods of short division.

Partitioning

$$39 \div 3$$

$$\begin{array}{r} 10 + 3 = 13 \\ 3 \overline{) 30 + 9} \end{array}$$

$$64 \div 4$$

$$\begin{array}{r} 10 + 6 = 16 \\ 4 \overline{) 40 + 24} \end{array}$$

Year 4

Pupils practice to become fluent in the formal written method of short division with exact answers.

Partitioning

$$119 \div 7$$

$$\begin{array}{r} 10 + 7 = 17 \\ 7 \overline{) 70 + 49} \end{array}$$

Short Division

$$63 \div 3$$

$$\begin{array}{r} 21 \\ 3 \overline{) 63} \end{array}$$

$$84 \div 6$$

$$\begin{array}{r} 14 \\ 6 \overline{) 84} \end{array}$$

Upper Key Stage 2

Year 5

Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context

Short division

$161 \div 7$

$$\begin{array}{r} 23 \\ 7 \overline{)161} \end{array}$$

$1446 \div 6$

$$\begin{array}{r} 241 \\ 6 \overline{)1446} \end{array}$$

There are 421 children at sports day. How many teams of 9 can we make?

$$\begin{array}{r} 46 \text{ r } 7 \\ 9 \overline{)421} = 46 \\ \text{teams} \end{array}$$

206 tickets were sold for a school concert; there are 7 seats per row. How many rows are needed?

$$\begin{array}{r} 29 \text{ r } 3 \\ 7 \overline{)206} = 30 \text{ rows} \end{array}$$

Year 6

Divide numbers up to 4 digits by a two digit number using the formal written method of short division.

Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division.

Use written division methods in cases where the answer has up to two decimal places.

Long division.

$3432 \div 26$

$$\begin{array}{r} 132 \\ 26 \overline{)3432} \\ - 2600 \text{ (x100)} \\ \hline 832 \\ - 780 \text{ (x30)} \\ \hline 52 \\ - 52 \text{ (x2)} \\ \hline 0 \end{array}$$

$396.0 \div 15$

$$\begin{array}{r} 26.4 \\ 15 \overline{)396.0} \\ - 300.0 \text{ (x20)} \\ \hline 96.0 \\ - 90.0 \text{ (x6)} \\ \hline 6.0 \\ - 6.0 \text{ (x0.4)} \\ \hline 0 \end{array}$$

$343.56 \div 6$

$$\begin{array}{r} 57.26 \\ 6 \overline{)343.56} \end{array}$$