

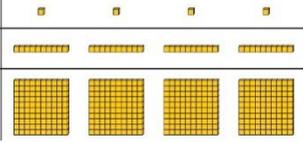
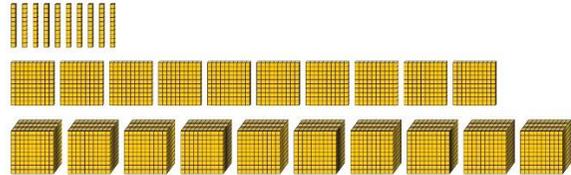
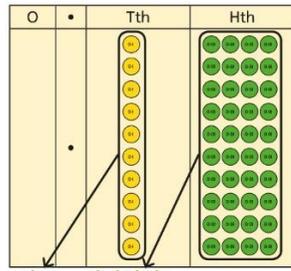
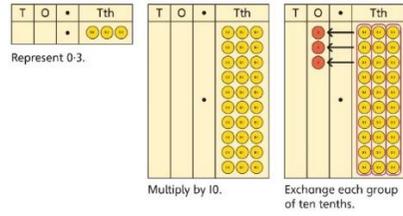
Stoke Gabriel Primary School: Number & Calculation policy: Years 5&6

In Years 5 & 6 children will continue to develop fluency, accuracy and an ability to select appropriate and efficient methods when using the four operations: $+$ / $-$ / \times / \div . They will be encouraged to use mental strategies and reasoning as much as possible using the mathematical knowledge that they already have to find solutions.

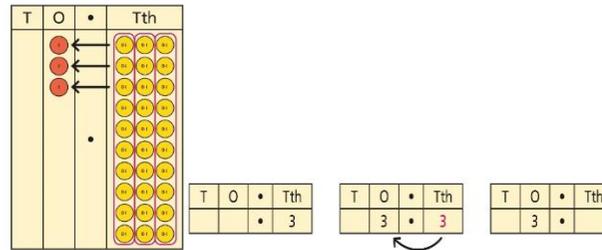
Key Vocabulary:

round, decimal, column methods, exchange, partition, mental method, ten thousand, hundred thousand, million, factor, multiple, prime number, square number, cube number, estimate, inverse

Years 5&6

	Concrete	Pictorial	Abstract																														
Place value																																	
Multiplying by 10, 100 and 1,000	<p>Use place value equipment to multiply by 10, 100 and 1,000 by unitising.</p> <p>$4 \times 1 = 4 \text{ ones} = 4$</p> <p>$4 \times 10 = 4 \text{ tens} = 40$</p> <p>$4 \times 100 = 4 \text{ hundreds} = 400$</p> 	<p>Understand the effect of repeated multiplication by 10.</p> 	<p>Understand how exchange relates to the digits when multiplying by 10, 100 and 1,000.</p> <table border="1" data-bbox="1556 406 1937 542"> <tr> <td>H</td> <td>T</td> <td>O</td> </tr> <tr> <td></td> <td>1</td> <td>7</td> </tr> </table> <p>$17 \times 10 = 170$ $17 \times 100 = 17 \times 10 \times 10 = 1,700$ $17 \times 1,000 = 17 \times 10 \times 10 \times 10 = 17,000$</p>	H	T	O		1	7																								
H	T	O																															
	1	7																															
Multiplying decimals by 10, 100 and 1,000	<p>Use place value equipment to explore and understand the exchange of 10 tenths, 10 hundredths or 10 thousandths.</p>	<p>Represent multiplication by 10 as exchange on a place value grid.</p>  <p>$0.14 \times 10 = 1.4$</p>	<p>Understand how this exchange is represented on a place value chart.</p> <table border="1" data-bbox="1780 805 2116 997"> <tr> <th>Th</th> <th>H</th> <th>T</th> <th>O</th> <th>•</th> <th>Tth</th> </tr> <tr> <td></td> <td></td> <td></td> <td>2</td> <td>•</td> <td>5</td> </tr> <tr> <td></td> <td></td> <td>2</td> <td>5</td> <td>•</td> <td></td> </tr> <tr> <td></td> <td>2</td> <td>5</td> <td>0</td> <td>•</td> <td></td> </tr> <tr> <td>2</td> <td>5</td> <td>0</td> <td>0</td> <td>•</td> <td></td> </tr> </table> <p>$2.5 \times 10 = 25$ $2.5 \times 100 = 250$ $2.5 \times 1,000 = 2,500$</p>	Th	H	T	O	•	Tth				2	•	5			2	5	•			2	5	0	•		2	5	0	0	•	
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2	5	0	0	•																													
Multiplying by 10, 100 and 1,000	<p>Use place value equipment to explore exchange in decimal multiplication.</p> 	<p>Understand how the exchange affects decimal numbers on a place value grid.</p>	<p>Use knowledge of multiplying by 10, 100 and 1,000 to multiply by multiples of 10, 100 and 1,000.</p> <p>$8 \times 100 = 800$ $8 \times 300 = 800 \times 3 = 2,400$</p> <p>$2.5 \times 10 = 25$ $2.5 \times 20 = 2.5 \times 10 \times 2$</p>																														

$0.3 \times 10 = ?$
 0.3 is 3 tenths.
 10×3 tenths are 30 tenths.
 30 tenths are equivalent to 3 ones.



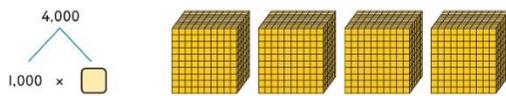
$= 50$

$0.3 \times 10 = 3$

Dividing whole numbers by 10, 100 and 1,000

Use place value equipment to support unitising for division.

$4,000 \div 1,000$



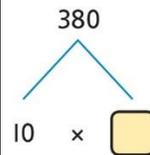
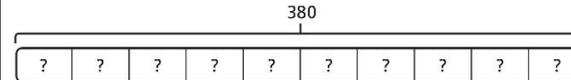
$4,000$ is 4 thousands.

$4 \times 1,000 = 4,000$

So, $4,000 \div 1,000 = 4$

Use a bar model to support dividing by unitising.

$380 \div 10 = 38$



380 is 38 tens.
 $38 \times 10 = 380$
 $10 \times 38 = 380$
 So, $380 \div 10 = 38$

Understand how and why the digits change on a place value grid when dividing by 10, 100 or 1,000.

Th	H	T	O
3	2	0	0

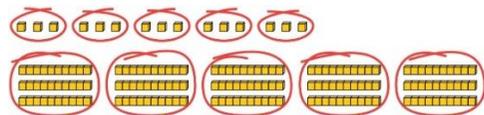
$3,200 \div 100 = ?$

$3,200$ is 3 thousands and 2 hundreds.
 $200 \div 100 = 2$
 $3,000 \div 100 = 30$
 $3,200 \div 100 = 32$

So, the digits will move two places to the right.

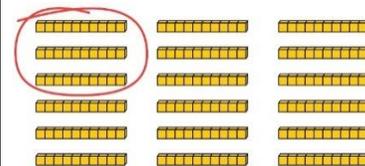
Dividing by multiples of 10, 100 and 1,000

Use place value equipment to represent known facts and unitising.



15 ones put into groups of 3 ones.
 There are 5 groups.
 $15 \div 3 = 5$

Represent related facts with place value equipment when dividing by unitising.



180 is 18 tens.

Reason from known facts, based on understanding of unitising. Use knowledge of the inverse relationship to check.

$3,000 \div 5 = 600$
 $3,000 \div 50 = 60$
 $3,000 \div 500 = 6$

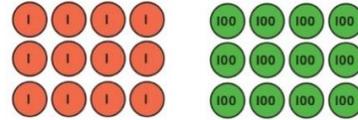
$5 \times 600 = 3,000$
 $50 \times 60 = 3,000$
 $500 \times 6 = 3,000$

15 tens put into groups of 3 tens. There are 5 groups.

$$150 \div 30 = 5$$

18 tens divided into groups of 3 tens. There are 6 groups.

$$180 \div 30 = 6$$

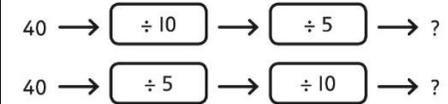


12 ones divided into groups of 4. There are 3 groups.
12 hundreds divided into groups of 4 hundreds. There are 3 groups.

$$1200 \div 400 = 3$$

Use knowledge of factors to divide by multiples of 10, 100 and 1,000.

$$40 \div 50 = \square$$



$$40 \div 5 = 8$$

$$8 \div 10 = 0.8$$

So, $40 \div 50 = 0.8$

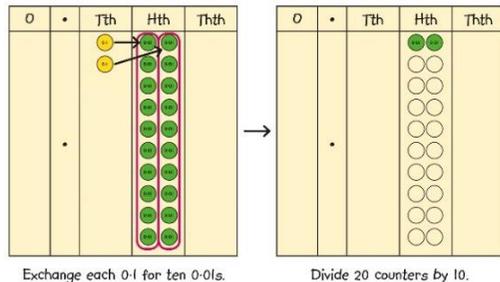
Dividing decimals by 10, 100 and 1,000

Understand division by 10 using exchange.

2 ones are 20 tenths.

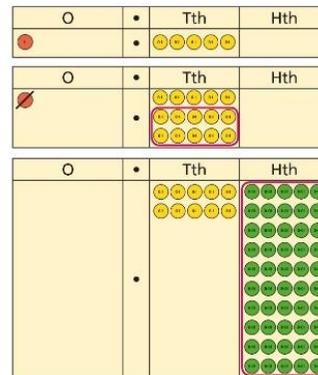
20 tenths divided by 10 is 2 tenths.

Use place value equipment to explore division as exchange.



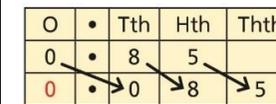
0.2 is 2 tenths.
2 tenths is equivalent to 20 hundredths.
20 hundredths divided by 10 is 2 hundredths.

Represent division using exchange on a place value grid.

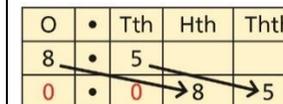


1.5 is 1 one and 5 tenths.
This is equivalent to 10 tenths and 50 hundredths.
10 tenths divided by 10 is 1 tenth.
50 hundredths divided by 10 is 5 hundredths.
1.5 divided by 10 is 1 tenth and 5 hundredths.
 $1.5 \div 10 = 0.15$

Understand the movement of digits on a place value grid.



$$0.85 \div 10 = 0.085$$



$$8.5 \div 100 = 0.085$$

Round to the nearest 10 / 100 / 1000 / 10,000

TTh	Th	H	T	O
	●●●●	●●●●	●●●●	●●●●

Use place value chart to round to the nearest 100, 1000, 10,000

Use real-life contexts and measures to round to the nearest 100, 1000, 10,000

Complete the table.

Start Number	Rounded to the nearest 10	Rounded to the nearest 100	Rounded to the nearest 1,000
DCCLXIX			

Round 85,617

- To the nearest 10
- To the nearest 100
- To the nearest 1,000
- To the nearest 10,000

Round to the nearest 10 / 100 / 1000 / 10,000

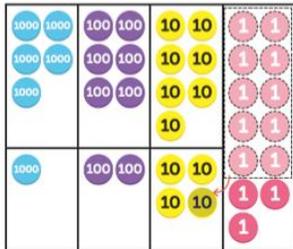
Addition

All children will be taught: column addition

Place value equipment will be used to represent additions and support mathematics where necessary

Column addition with whole numbers

Use place value equipment to represent additions.



$$\begin{array}{r} 5678 \\ + 1235 \\ \hline 6813 \end{array}$$

Y6: Comparing and selecting efficient methods

Adding decimals using column addition

Y6: Comparing and selecting efficient methods

Represent additions, using place value equipment on a place value grid alongside written methods.

Use column addition, including exchanges.

$$\begin{array}{r} \text{TTh Th H T O} \\ | 9 | 7 5 \\ + | 8 4 | 7 \\ \hline 3 7 5 9 2 \end{array}$$

Add using a column method, ensuring that children understand the link with place value.

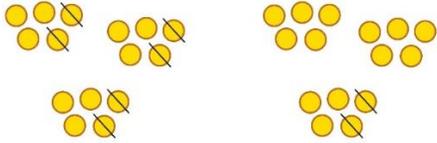
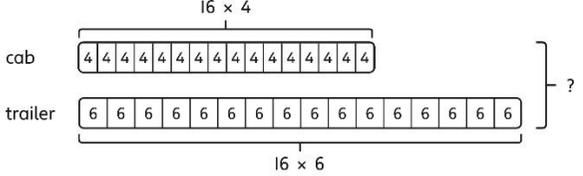
$$\begin{array}{r} \text{O} \cdot \text{Tth Hth} \\ 0 \cdot 2 3 \\ + 0 \cdot 4 5 \\ \hline 0 \cdot 6 8 \end{array}$$

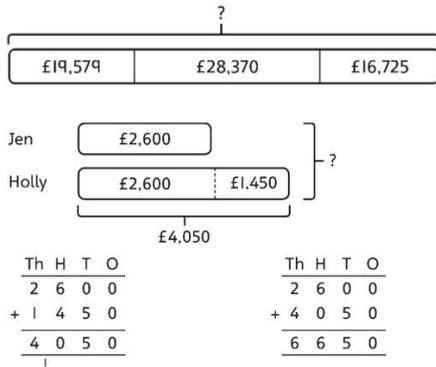
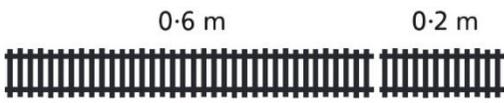
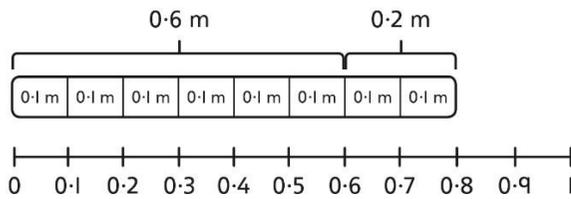
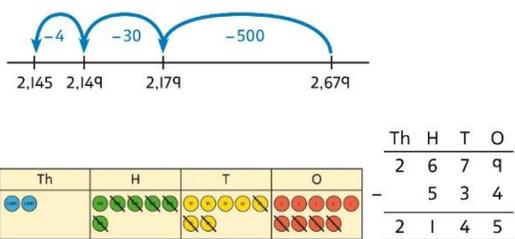
$$\begin{array}{r} \text{O} \cdot \text{Tth Hth} \\ 0 \cdot 9 2 \\ + 0 \cdot 3 3 \\ \hline 1 \cdot 2 5 \end{array}$$

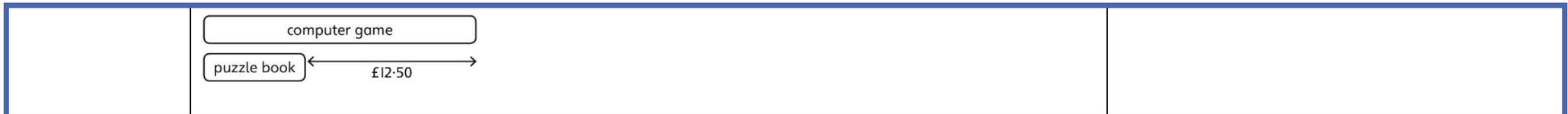
Include exchange where required, alongside an understanding of place value. Include additions where the numbers of decimal places are different.

$$\begin{array}{r} \text{O} \cdot \text{Tth Hth} \\ 3 \cdot 4 0 \\ + 0 \cdot 6 5 \\ \hline \end{array}$$

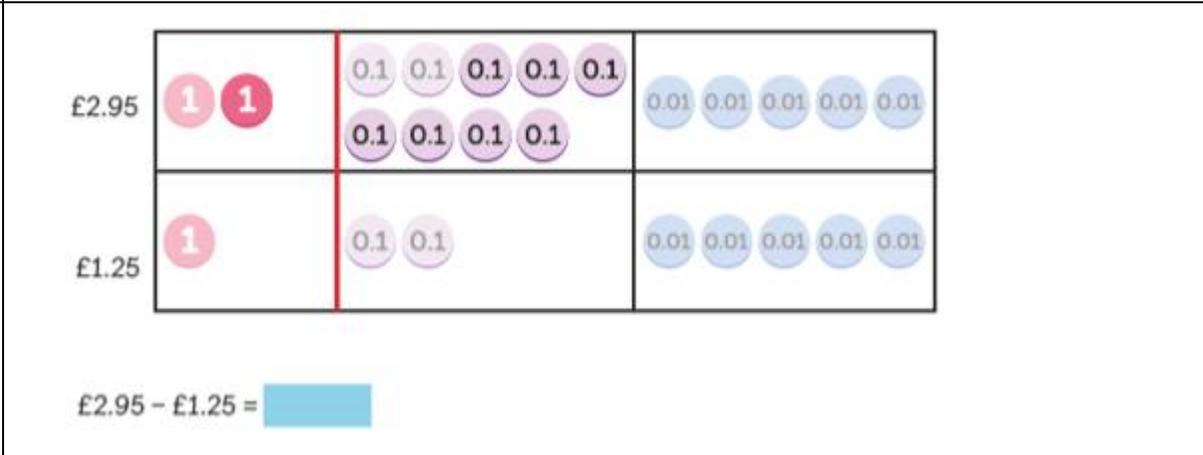
$3.4 + 0.65 = ?$

<p>Selecting mental methods for larger numbers where appropriate</p>	<p>Represent 7-digit numbers on a place value grid, and use this to support thinking and mental methods.</p>  <p>$2,411,301 + 500,000 = ?$</p> <p><i>This would be 5 more counters in the HTh place.</i></p> <p><i>So, the total is 2,911,301.</i></p> <p>$2,411,301 + 500,000 = 2,911,301$</p>	<p>Use a bar model to support thinking in addition problems.</p> <p>$257,000 + 99,000 = ?$</p>  <p><i>I added 100 thousands then subtracted 1 thousand.</i></p> <p>$257 \text{ thousands} + 100 \text{ thousands} = 357 \text{ thousands}$</p> <p>$257,000 + 100,000 = 357,000$ $357,000 - 1,000 = 356,000$</p> <p><i>So, $257,000 + 99,000 = 356,000$</i></p>	<p>Use place value and unitising to support mental calculations with larger numbers.</p> <p>$195,000 + 6,000 = ?$</p> <p>$195 + 5 + 1 = 201$</p> <p><i>195 thousands + 6 thousands = 201 thousands</i></p> <p><i>So, $195,000 + 6,000 = 201,000$</i></p>
<p>Understanding order of operations in calculations</p>	<p>Use equipment to model different interpretations of a calculation with more than one operation. Explore different results.</p> <p>$3 \times 5 - 2 = ?$</p>  <p> $\begin{array}{r} 3 \times 5 - 2 \\ \downarrow \quad \downarrow \\ 3 \times 3 = 9 \end{array}$ </p> <p> $\begin{array}{r} 3 \times 5 - 2 \\ \downarrow \quad \downarrow \\ 15 - 2 = 13 \end{array}$ </p>	<p>Model calculations using a bar model to demonstrate the correct order of operations in multi-step calculations.</p>  <p>This can be written as: $16 \times 4 + 16 \times 6$</p> <p>$16 \times 4 + 16 \times 6$ $64 + 96 = 160$</p>	<p>Understand the correct order of operations in calculations without brackets.</p> <p>Understand how brackets affect the order of operations in a calculation.</p> <p>$4 + 6 \times 16$ $4 + 96 = 100$</p> <p>$(4 + 6) \times 16$ $10 \times 16 = 160$</p>
<p>Other representations and methods may include:</p>			
<p>Representing additions</p>	<p>Mental addition strategies:</p>	<p>Bar models represent addition of two or more numbers in the context of problem solving.</p>	<p>Use approximation to check whether answers are reasonable.</p>

	<p>Notice the numbers and select the most efficient strategy, e.g.</p> <p>5476 + 516 5476 + 500 : jot down 5976 5976 + 10 : jot down 5986 5986 + 6 = think : 5986 + [4 + 2] = 5992</p> <p>5476 + 519 5476 + 520 - 1 5996 - 1 = 5997</p>		<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: right; padding-right: 20px;"> $\begin{array}{r} \text{TTh Th H T O} \\ 23405 \\ + 7892 \\ \hline 20297 \end{array}$ </td> <td> $\begin{array}{r} \text{TTh Th H T O} \\ 23405 \\ + 7892 \\ \hline 31297 \\ \hline \end{array}$ </td> </tr> </table> <p><i>I will use 23,000 + 8,000 to check.</i></p>	$\begin{array}{r} \text{TTh Th H T O} \\ 23405 \\ + 7892 \\ \hline 20297 \end{array}$	$\begin{array}{r} \text{TTh Th H T O} \\ 23405 \\ + 7892 \\ \hline 31297 \\ \hline \end{array}$
$\begin{array}{r} \text{TTh Th H T O} \\ 23405 \\ + 7892 \\ \hline 20297 \end{array}$	$\begin{array}{r} \text{TTh Th H T O} \\ 23405 \\ + 7892 \\ \hline 31297 \\ \hline \end{array}$				
<p>Adding tenths</p>	<p>Link measure with addition of decimals.</p> <p><i>Two lengths of fencing are 0.6 m and 0.2 m. How long are they when added together?</i></p> 	<p>Use a bar model with a number line to add tenths.</p>  <p>$0.6 + 0.2 = 0.8$ 6 tenths + 2 tenths = 8 tenths</p>	<p>Understand the link with adding fractions.</p> $\frac{6}{10} + \frac{2}{10} = \frac{8}{10}$ <p>6 tenths + 2 tenths = 8 tenths $0.6 + 0.2 = 0.8$</p>		
<p>Subtraction</p>	<p>All children will be taught: column subtraction</p>				
	<p>Concrete</p>	<p>Pictorial</p>	<p>Abstract</p>		
<p>Column subtraction with whole numbers</p> <p>By Y6: Comparing and selecting efficient methods</p>	<p>By Y6 compare subtraction methods alongside place value representations and use real-life contexts and measures, e.g. distance travelled, distance remaining.</p>  <p>Use a bar model to represent calculations, including 'find the difference' with two bars as comparison.</p>		<p>Use column subtraction methods with exchange where required.</p> $\begin{array}{r} \text{TTh Th H T O} \\ \overset{5}{\cancel{6}} \overset{11}{\cancel{2}} \overset{1}{\cancel{0}} 9 7 \\ - 18534 \\ \hline 43563 \end{array}$ <p>$62,097 - 18,534 = 43,563$</p>		



Subtracting decimals

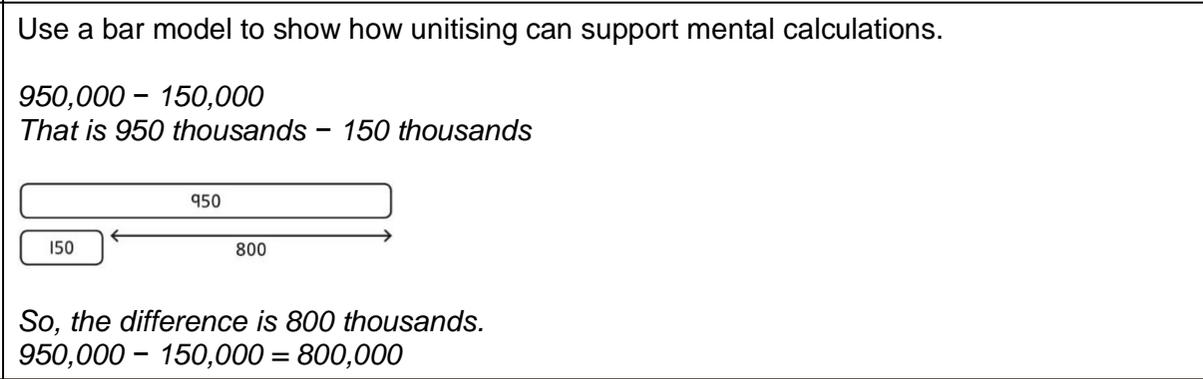


Use column subtraction, with an understanding of place value, including subtracting numbers with different numbers of decimal places.

$3.921 - 3.75 = ?$

	O	Tth	Hth	Thth
	3	9	2	1
-	3	7	5	0
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Subtracting mentally with larger numbers

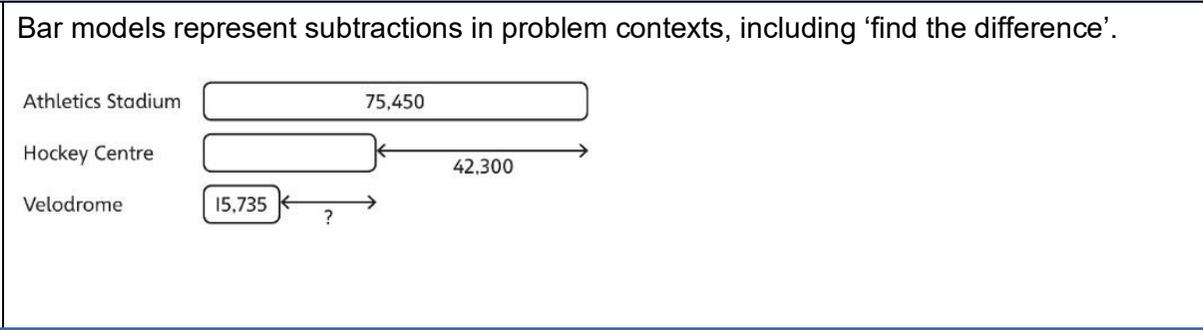


Subtract efficiently from powers of 10.

$10,000 - 500 = ?$

Other representations and methods may include:

Checking strategies and representing subtractions



Children can explain the mistake made when the columns have not been ordered correctly.

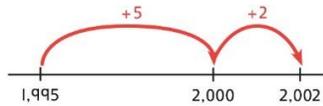
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<table border="1" style="font-size: small;"> <tr><td>TTh</td><td>Th</td><td>H</td><td>T</td><td>O</td></tr> <tr><td>1</td><td>7</td><td>8</td><td>7</td><td>7</td></tr> <tr><td>+</td><td>4</td><td>0</td><td>1</td><td>2</td></tr> <tr><td colspan="5"><hr/></td></tr> <tr><td>5</td><td>7</td><td>9</td><td>9</td><td>7</td></tr> </table>	TTh	Th	H	T	O	1	7	8	7	7	+	4	0	1	2	<hr/>					5	7	9	9	7	<table border="1" style="font-size: small;"> <tr><td>TTh</td><td>Th</td><td>H</td><td>T</td><td>O</td></tr> <tr><td>1</td><td>7</td><td>8</td><td>7</td><td>7</td></tr> <tr><td>+</td><td>4</td><td>0</td><td>1</td><td>2</td></tr> <tr><td colspan="5"><hr/></td></tr> <tr><td>2</td><td>1</td><td>8</td><td>8</td><td>9</td></tr> </table>	TTh	Th	H	T	O	1	7	8	7	7	+	4	0	1	2	<hr/>					2	1	8	8	9
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Use approximation to check calculations.

I calculated 18,000 + 4,000 mentally to check my subtraction.

Choosing efficient methods

To subtract two large numbers that are close, children find the difference by counting on.
 $2,002 - 1,995 = ?$



Use addition to check subtractions.
*I calculated $7,546 - 2,355 = 5,191$.
 I will check using the inverse.*

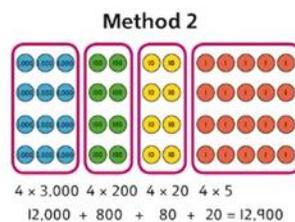
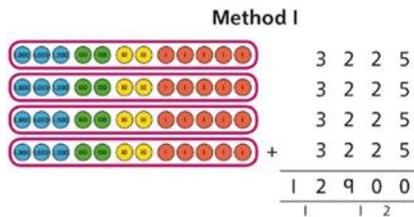
Multiplication

By year 5: All children should know or learn all multiplication facts to 12x12.

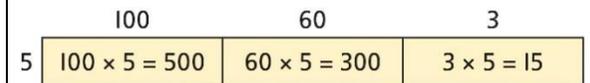
All children will be taught: short and long multiplication methods

Multiplying up to 4-digit numbers by a single digit

By Y6 use place value & equipment to compare methods



Use an area model and then add the parts.



Use a column multiplication, including any required exchanges.

$$\begin{array}{r} 1\ 3\ 6 \\ \times \quad 6 \\ \hline 8\ 1\ 6 \\ \hline \end{array}$$

By Y6 use efficient strategies

Multiplying 2-digit numbers by 2-digit numbers

Use grid method in Year 5.

x	100	20	5
8	800	160	40

=1000

Multiplying two 2-digit numbers:

x	20	3	
40	800	120	→ 920
2	40	6	→ 46
			<u>966</u>

By the end of Year 5, use column multiplication, ensuring understanding of place value at each stage.

$$\begin{array}{r} 34 \\ \times 27 \\ \hline 238 \quad 34 \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 27 \\ \hline 238 \quad 34 \times 7 \\ 680 \quad 34 \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ \times 27 \\ \hline 238 \quad 34 \times 7 \\ 680 \quad 34 \times 20 \\ 918 \quad 34 \times 27 \\ \hline \end{array}$$

Multiplying up to 4-digits by 2-digits

Use column multiplication, ensuring understanding of place value at each stage.

$$\begin{array}{r} 143 \\ \times 2 \\ \hline 286 \quad 143 \times 2 \\ 1430 \quad 143 \times 10 \\ \hline 1716 \quad 143 \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 1274 \\ \times 32 \\ \hline 2548 \quad 1,274 \times 2 \\ 38220 \quad 1,274 \times 30 \\ \hline 40768 \quad 1,274 \times 32 \\ \hline \end{array}$$

$1,274 \times 32 = 40,768$

Multiplying decimals

Use known facts to multiply decimals.

$4 \times 3 = 12$
 $4 \times 0.3 = 1.2$ $4 \times 3 \div 10$
 $4 \times 0.03 = 0.12$

$20 \times 5 = 100 = 2 \times 10 \times 5$
 $20 \times 0.5 = 10$
 $20 \times 0.05 = 1$

Find families of facts from a known multiplication.

I know that $18 \times 4 = 72$.

This can help me work out:

- $1.8 \times 4 = ?$
- $18 \times 0.4 = ?$
- $180 \times 0.4 = ?$
- $18 \times 0.04 = ?$

	H	T	O	•	Tth	Hth
2×3			6	•		
0.2×3			0	•	6	
0.02×3				•		

Use a place value grid to understand the effects of multiplying decimals.

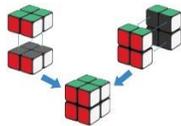
Other representations and methods may include:

Understanding factors

Use Cuisenaire, cubes or counters to explore the meaning of 'square numbers'.

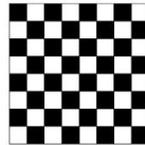
25 is a square number because it is made from 5 rows of 5.

Use cubes to explore cube numbers.



8 is a cube number.

Use images to explore examples and non-examples of square numbers.

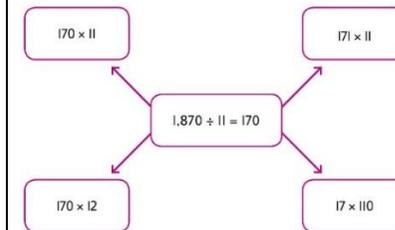


$8 \times 8 = 64$
 $8^2 = 64$

Understand the pattern of square numbers in the multiplication tables.

Use a multiplication grid to circle each square number. Can children spot a pattern?

Use a known fact to generate families of related facts.



Use factors to calculate efficiently.

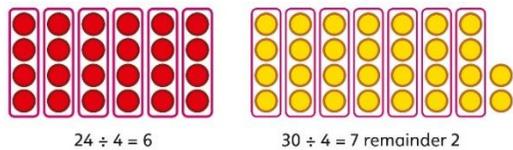
$$\begin{aligned}
 &15 \times 16 \\
 &= 3 \times 5 \times 2 \times 8 \\
 &= 3 \times 8 \times 2 \times 5 \\
 &= 24 \times 10 \\
 &= 240
 \end{aligned}$$

Understanding factors

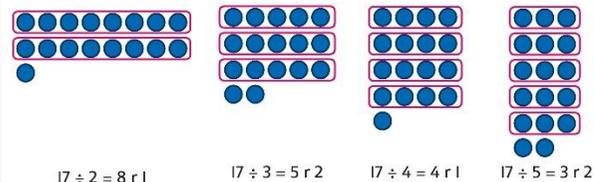
Use equipment to explore different factors of a number.

Recognise prime numbers as numbers having exactly two factors. Understand the link with division and remainders.

Recognise and know primes up to 100. Understand that 2 is the only even prime, and that 1 is not a prime number.



4 is a factor of 24 but is not a factor of 30.



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

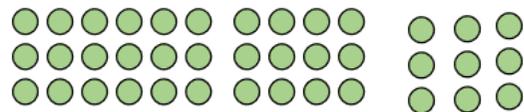
Division

All children will be taught: short and long division methods

Dividing 2-digit and 3-digit numbers by a single digit by partitioning into 100s, 10s and 1s

Partition into 10s and 1s to divide where appropriate.

39 ÷ 3 = ?



39 = 30 + 9

30 ÷ 3 = 10

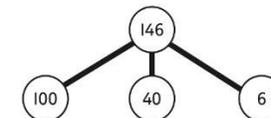
9 ÷ 3 = 3

39 ÷ 3 = 13

Use Base 10 equipment to divide where appropriate.

Partition into 100s, 10s and 1s using a part-whole model to divide where appropriate.

142 ÷ 2 = ?



100 ÷ 2 = 40 ÷ 2 = 6 ÷ 2 =

100 ÷ 2 = 50

40 ÷ 2 = 20

6 ÷ 2 = 3

50 + 20 + 3 = 73

142 ÷ 2 = 73

Dividing up to four digits by a single digit using short division

Explore grouping using place value equipment.

268 ÷ 2 = ?

There is 1 group of 2 hundreds.

There are 3 groups of 2 tens.

There are 4 groups of 2 ones.

Dividing decimals

Understanding inverse operations and the link with

264 ÷ 2 = 134

Are we using a numberline to 'chunk' as a pictorial representation?

Use place value equipment on a place value grid alongside short division. The model uses grouping. A sharing model can also be used, although the model would need adapting.

Use short division for up to 4-digit numbers divided by a single digit.

$$\begin{array}{r} 0 \ 5 \ 5 \ 6 \\ 7 \overline{) 3 \ 8 \ 9 \ 2} \end{array}$$

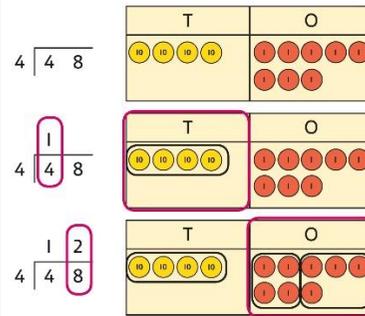
3,892 ÷ 7 = 556

Use multiplication to check.

556 × 7 = ?

6 × 7 = 42

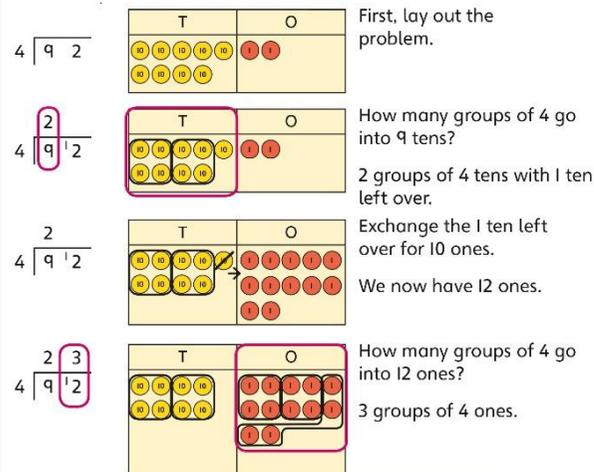
multiplication & division



Lay out the problem as a short division.

*There is 1 group of 4 in 4 tens.
There are 2 groups of 4 in 8 ones.*

Work with divisions that require exchange.



$$50 \times 7 = 350$$

$$500 \times 7 = 3500$$

$$3,500 + 350 + 42 = 3,892$$

Use short division to divide decimals with up to 2 decimal places.

$$\begin{array}{r} 8 \overline{) 4.24} \\ 0 \cdot \\ \hline 8 \overline{) 4.24} \\ 0 \cdot 5 \\ \hline 8 \overline{) 4.24} \\ 0 \cdot 53 \\ \hline 8 \overline{) 4.24} \end{array}$$

Understanding remainders

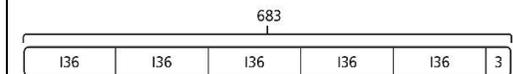
Understand remainders using concrete versions of a problem.

80 cakes divided into trays of 6.



Use short division and understand remainders as the last remaining 1s.

In problem solving contexts, represent divisions including remainders with a bar model.



$$683 = 136 \times 5 + 3$$

			$\begin{array}{r} 3 \\ 21 \overline{) 798} \\ - 630 \\ \hline 168 \end{array}$ $\begin{array}{r} 38 \\ 21 \overline{) 798} \\ - 630 \\ \hline 168 \\ - 168 \\ \hline 0 \end{array}$ <p>Divisions with a remainder explored in problem-solving contexts.</p>
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Other representations and methods may include:

<p>Understanding the relationship between fractions and division</p>	<p>Use sharing to explore the link between fractions and division.</p> <p><i>1 whole shared between 3 people. Each person receives one-third.</i></p>  	<p>Use a bar model and other fraction representations to show the link between fractions and division.</p>  $1 \div 3 = \frac{1}{3}$	<p>Use the link between division and fractions to calculate divisions.</p> $5 \div 4 = \frac{5}{4} = 1\frac{1}{4}$ $11 \div 4 = \frac{11}{4} = 2\frac{3}{4}$
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<p>Dividing by a 2-digit number using factors</p>	<p>Understand that division by factors can be used when dividing by a number that is not prime.</p>	<p>Use factors and repeated division.</p> $1,260 \div 14 = ?$  $1,260 \div 2 = 630$ $630 \div 7 = 90$ $1,260 \div 14 = 90$	<p>Use factors and repeated division where appropriate.</p> $2,100 \div 12 = ?$ $2,100 \rightarrow \boxed{\div 2} \rightarrow \boxed{\div 6} \rightarrow$ $2,100 \rightarrow \boxed{\div 6} \rightarrow \boxed{\div 2} \rightarrow$ $2,100 \rightarrow \boxed{\div 3} \rightarrow \boxed{\div 4} \rightarrow$ $2,100 \rightarrow \boxed{\div 4} \rightarrow \boxed{\div 3} \rightarrow$ $2,100 \rightarrow \boxed{\div 3} \rightarrow \boxed{\div 2} \rightarrow \boxed{\div 2} \rightarrow$
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