

<p>Year 2</p> <p>Addition +</p>	<p>Add any pair of 2-digit numbers</p>	$ \begin{array}{r} 35 = 30 \quad 5 \\ + 24 = 20 \quad 4 \\ \hline 59 = 50 + 9 \end{array} $ $ \begin{array}{r} 35 = 30 \quad 5 \\ + 26 = 20 \quad 6 \\ \hline 61 = 50 + \cancel{11} \\ \quad \quad 10 + 1 \end{array} $ $ \begin{array}{r} 35 = 30 \quad 5 \\ + 26 = 20 \quad 6 \\ \quad \quad 10 \\ \hline 61 = 60 + 1 \end{array} $	<div data-bbox="1339 323 2018 560" style="border: 1px solid black; padding: 5px;"> <p>Partition into tens and units.</p> <p>Add the units ($5 + 4 = 9$), then tens ($30 + 20 = 50$).</p> <p>Answer: $50 + 9 = 59$</p> </div> <div data-bbox="1339 628 2018 855" style="border: 1px solid black; padding: 5px;"> <p>Partition into tens and units.</p> <p>Add the units ($5 + 6 = 11$), then tens ($30 + 20 = 50$)</p> <p>Answer: $50 + 11$ (partition 11 into $10 + 1$ to make it easier) = 61</p> </div> <div data-bbox="1339 890 2018 1235" style="border: 1px solid black; padding: 5px;"> <p>Partition into tens and units.</p> <p>Add the units ($5 + 6 = 11$). Write a 1 beneath the line in the units column and carry the ten above the line into the tens column.</p> <p>Add the tens ($30 + 20 + 10 = 60$)</p> <p>Answer: $60 + 1 = 61$</p> </div>
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Year 3
Addition +

Use expanded column addition to add two or three 3-digit numbers or three 2-digit numbers

$$\begin{array}{r}
 35 = 30 \quad 5 \\
 + 26 = 20 \quad 6 \\
 \hline
 61 = 60 + 1
 \end{array}$$

$$\begin{array}{r}
 466 = 400 \quad 60 \quad 6 \\
 + 358 = 300 \quad 50 \quad 8 \\
 \hline
 824 = 800 \quad 20 \quad 4
 \end{array}$$

Partition into hundreds, tens and units.

Add the units ($6 + 8 = 14$). Write 4 beneath the line in the units column and carry the ten above the line into the tens column.

Add the tens ($60 + 50 + 10 = 120$). Write 20 beneath the line in the tens column and carry the hundred above the line into the hundreds column.

Add the hundreds ($400 + 300 + 100 = 800$)

Answer: $800 + 20 + 4 = 824$

Begin to use compact column addition to add numbers with 3 digits

$$\begin{array}{r}
 347 \\
 + 286 \\
 \hline
 633
 \end{array}$$

Add the units ($7 + 6 = 13$). Write 3 beneath the line in the units column and carry 1 ten above the line into the tens column.

Add the tens column ($4 + 8 + 1 = 13$). Write 3 beneath the line in the tens column and carry 1 hundred above the line into the hundreds column.

Add the hundreds column ($3 + 2 + 1 = 6$)

<p>Year 4</p> <p>Addition +</p>	<p>Column addition for 3-digit and 4-digit numbers</p>	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> $\begin{array}{r} 1467 \\ + 4828 \\ \hline 6295 \end{array}$ </div> <div style="width: 35%; text-align: right;"> <p>See Year 3 addition example</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> $\begin{array}{r} 347 \\ + 286 \\ \hline 633 \end{array}$ </div> <div style="width: 35%; text-align: right;"> <p>Add the units ($7 + 6 = 13$). Write 3 beneath the line in the units column and carry 1 ten above the line into the tens column.</p> <p>Add the tens column ($4 + 8 + 1 = 13$). Write 3 beneath the line in the tens column and carry 1 hundred above the line into the hundreds column.</p> <p>Add the hundreds column ($3 + 2 + 1 = 6$)</p> </div> </div> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> $\begin{array}{r} 5347 \\ + 2286 \\ \hline 9128 \end{array}$ </div> <div style="width: 35%; text-align: right;"> <p>Add the units ($7 + 6 + 5 = 18$). Write 8 beneath the line in the units column and carry 1 ten above the line into the tens column.</p> <p>Add the tens column ($4 + 8 + 9 + 1 = 22$). Write 2 beneath the line in the tens column and carry 2 hundred above the line into the hundreds column.</p> <p>Add the hundreds column ($3 + 2 + 4 + 2 = 11$). Write 1 beneath the line in the hundreds column and carry 1 thousand above the line into the thousands column.</p> <p>Add the thousands column ($5 + 2 + 1 + 1 = 9$)</p> </div> </div>
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Year 5
Addition +

Use column addition to add two or three whole numbers with up to 5 digits

Use column addition to add any pair of 2-place decimal numbers, including amounts of money

$$\begin{array}{r} 53472 \\ + 22864 \\ \hline 76336 \end{array}$$

$$\begin{array}{r} \text{£ } 28.81 \\ + \text{£ } 4.70 \\ \hline \text{£ } 33.51 \end{array}$$

$$\begin{array}{r} 12.5 \\ + 5.96 \\ \hline 18.46 \end{array}$$

Add the units (2 + 4 = 6). Write 6 beneath the line in the units column.

Add the tens column (7 + 6 = 13). Write 3 beneath the line in the tens column and carry 1 hundred above the line into the hundreds column.

Add the hundreds column (4 + 8 + 1 = 13). Write 3 beneath the line in the hundreds column and carry 1 thousand above the line into the thousands column.

Add the thousands column (3 + 2 + 1 = 6)

Add the ten thousands column (5 + 2 = 7)

Add the hundredths (0 + 6 = 6). Write 6 beneath the line in the hundredths column.

Add the tenths (5 + 9 = 14). Write 4 beneath the line in the tenths column and carry 1 unit above the line in the units column.

Remember to keep the decimal points in line and put the decimal point in your answer.

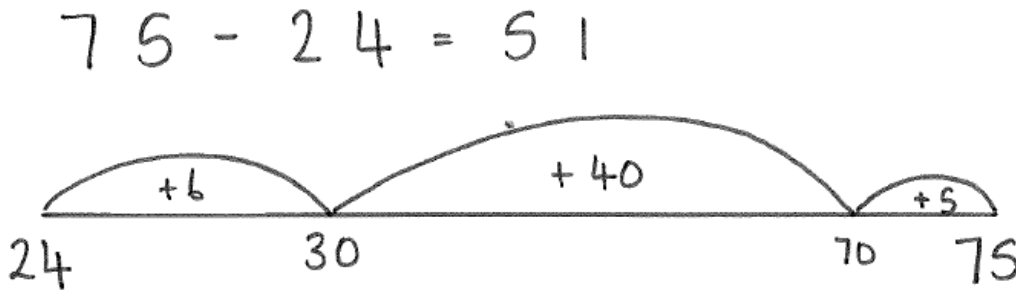
Add the units (2 + 5 + 1 = 8). Add the tens (1 + 0 = 1)

Year 2

Subtract any pair of 2-digit numbers by counting up

Subtraction

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Draw a number line. Write the smaller number (24) at the start and the larger number (75) at the end.

Hop 6 to get to 30 (always hop to the next ten first). Hop 40 to get to 70. Hop 5 to get to 75.

Add the hops.

Answer: $6 + 40 + 5 = 51$

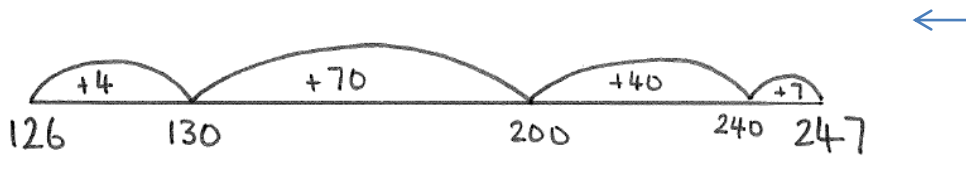
Begin to use expanded column subtraction for 2-digit numbers

$$\begin{array}{r} 75 = 70 \quad 5 \\ - 24 = 20 \quad 4 \\ \hline 51 = 50 \quad 1 \end{array}$$

Partition into tens and units.

Subtract the units ($5 - 4 = 1$), then tens ($70 - 20 = 50$)

Answer: $50 + 1 = 51$

<p>Year 3 Subtraction -</p>	<p>Use counting up as an informal written strategy for subtracting pairs of 3-digit numbers</p> <p>Begin to use expanded column subtraction</p>	<p>$247 - 126 = 121$</p>  <p>Draw a number line. Write the smaller number (126) at the start and the larger number (247) at the end.</p> <p>Hop 4 to get to 130 (hop to the next ten first). Hop 70 to get to 200 (hop to the next hundred). Hop 40 to get to 240. Hop 7 to get to 247.</p> <p>Add the hops.</p> <p>Answer: $4 + 70 + 40 + 7 = 121$</p> $\begin{array}{r} 75 \\ - 24 \\ \hline 51 \end{array}$ <p>Partition into tens and units.</p> <p>Subtract the units ($5 - 4 = 1$), then tens ($70 - 20 = 50$)</p> <p>Answer: $50 + 1 = 51$</p>
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<p>Year 4</p> <p>Subtraction</p> <p>-</p>	<p>Use expanded column subtraction for 3- and 4-digit numbers</p>	$ \begin{array}{r} 247 = 200 \quad 40 \quad 7 \\ - 126 = 100 \quad 20 \quad 6 \\ \hline 121 = 100 \quad 20 \quad 1 \end{array} $ $ \begin{array}{r} 62 = \overset{50}{\cancel{60}} \quad \overset{12}{\cancel{2}} \\ - 28 = 20 \quad 8 \\ \hline 34 = 30 \quad 4 \end{array} $ $ \begin{array}{r} 164 = 100 \quad \overset{50}{\cancel{60}} \quad \overset{14}{\cancel{4}} \\ - 39 = 30 \quad 9 \\ \hline 125 = 100 \quad 20 \quad 5 \end{array} $	<div data-bbox="1449 266 2033 520" style="border: 1px solid black; padding: 5px;"> <p>Partition into hundreds, tens and units.</p> <p>Subtract the units ($7 - 6 = 1$), then tens ($40 - 20 = 20$), then the hundreds ($200 - 100 = 100$)</p> <p>Answer: $100 + 20 + 1 = 121$</p> </div> <div data-bbox="1182 544 2033 983" style="border: 1px solid black; padding: 5px;"> <p>Partition into tens and units.</p> <p>Look at the units. We cannot subtract 8 from 2 ($2 - 8$) so we need to take a 10 from the 60 in the tens column.</p> <p>Cross out 60 and write 50 (-10).</p> <p>Cross out 2 and write 12 (+10).</p> <p>Subtract the units ($12 - 8 = 4$), then tens ($50 - 20 = 30$)</p> <p>Answer: $30 + 4 = 34$</p> </div> <div data-bbox="1462 1094 2033 1225" style="border: 1px solid black; padding: 5px;"> <p>As above but don't forget the hundreds!</p> </div>
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$$\begin{array}{r}
 229 = \overset{100}{\cancel{200}} \overset{120}{\cancel{20}} 9 \\
 - 145 = 100 \quad 40 \quad 5 \\
 \hline
 84 = \quad 80 \quad 4
 \end{array}$$

Partition into hundreds, tens and units.

Look at the units. We cannot subtract 6 from 5 ($5 - 6$) so we need to take a 10 from the 10 in the tens column.

Cross out 10 and write 0 (-10).

Cross out 5 and write 15 (+10). Subtract the units ($15 - 6 = 9$)

Look at the tens. We cannot subtract 60 from 0 ($0 - 60$) so we need to take a 100 from the 300 in the hundreds column.

Cross out 300 and write 200 (-100).

Cross out 0 and write 100 (+100).

Subtract the tens ($100 - 60 = 40$), then the hundreds ($200 - 100 = 100$)

Answer: $100 + 40 + 9 = 149$

Partition into hundreds, tens and units.

Subtract the units ($9 - 5 = 4$).

Look at the tens. We cannot subtract 40 from 20 ($20 - 40$) so we need to take a 100 from the 200 in the hundreds column.

Cross out 200 and write 100 (-100).

Cross out 20 and write 120 (+100).

Subtract the tens ($120 - 40 = 80$), then the hundreds ($100 - 100 = 0$)

Answer: $80 + 4 = 84$

$$\begin{array}{r}
 315 = \overset{200}{\cancel{300}} \overset{100}{\cancel{10}} \overset{15}{\cancel{5}} \\
 166 = 100 \quad 60 \quad 6 \\
 \hline
 149 = 100 \quad 40 \quad 9
 \end{array}$$

<p>Year 5</p> <p>Subtraction</p> <p>-</p>	<p>Use compact or expanded column subtraction to subtract numbers with up to 5 digits</p>	$ \begin{array}{r} \overset{7}{8} \overset{9}{0} \overset{13}{4} \overset{11}{2} \overset{1}{1} \\ - 37659 \\ \hline 42762 \end{array} $ $ \begin{array}{r} \overset{12}{48} \overset{1}{8} \overset{1}{5} \\ - \quad 7 \cdot 8 \\ \hline 45 \cdot 7 \end{array} $	<p>Look at the units. We cannot subtract 9 from 1 ($1 - 9$) so we need to take 1 from the 2 in the tens column.</p> <p>Cross out 2 and write 1 in the tens column. Write 1 in the units column to make 11. Subtract the units ($11 - 9 = 2$)</p> <p>Look at the tens. We cannot subtract 5 from 1 ($1 - 5$) so we need to take 1 from the 4 in the hundreds column.</p> <p>Cross out 4 and write 3 in the hundreds column. Write 1 in the tens column to make 11. Subtract the tens ($11 - 5 = 6$).</p> <p>Look at the hundreds. We cannot subtract 6 from 3 ($3 - 6$) so we need to take 1 from the 0 in the thousands column. But we can't! So instead we take 1 from the 8 in the ten thousands column. Cross out 8 and write 7 in the ten thousands column. Write 1 in the thousands column to make 10.</p> <p>Now we can take 1 from the 10 in the thousands column. Cross out 10 and write 9 in the thousands column. Write 1 in the hundreds column to make 13.</p> <p>Subtract the hundreds ($13 - 6 = 7$).</p> <p>Subtract the thousands ($9 - 7 = 2$).</p> <p>Subtract the ten thousands ($7 - 3 = 4$)</p>
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As above but start with the tenths and keep the decimal point in line. Remember to include a decimal point in the answer.

<p>Year 6</p> <p>Subtraction</p> <p>-</p>	<p>Use column subtraction to subtract numbers with up to 6 digits</p>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 20px;"> $\begin{array}{r} \overset{2}{1} \overset{1}{3} \overset{6}{7} \overset{8}{9} \overset{1}{5} \\ - 118237 \\ \hline 18558 \end{array}$ <div style="border: 1px solid black; padding: 5px; margin-left: 10px;"> <p>See the example from Year 5 subtraction.</p> </div> </div> <div style="margin-bottom: 20px;"> $6.8 - 3.57$ </div> <div style="display: flex; align-items: center;"> $\begin{array}{r} \overset{7}{6} \overset{1}{8} \overset{0}{0} \\ - 3.57 \\ \hline 3.23 \end{array}$ <div style="border: 1px solid black; padding: 5px; margin-left: 10px;"> <p>Set out the question in columns making sure the decimal points are in line.</p> <p>Look at the hundredths column. There is no number to subtract the 7 from so add a 0 to make the question $6.80 - 3.57$.</p> <p>Then proceed as above.</p> </div> </div> </div>
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Year 2 Multiplication x	Begin to double 2-digit numbers less than 50 Begin to use partitioning (grid multiplication) to multiply 2-digit numbers by 'friendly' 1-digit numbers	36×2 $\begin{array}{r} 36 \\ / \quad \backslash \\ 60 \quad 12 \\ = 72 \end{array}$ 23×4 $\begin{array}{r l l} \times & 20 & 3 \\ \hline 4 & 80 & 12 \\ \hline & & = 92 \end{array}$	<div data-bbox="1218 304 1767 533"><p>Double the tens (double 30 = 60)</p><p>Double the units (double 6 = 12)</p><p>Answer: 60 + 12 = 72</p></div> <div data-bbox="1218 614 1767 1117"><p>Draw a grid.</p><p>Partition 23 into tens and units (20 + 3) and write across the top of the grid.</p><p>Write the 4 at the side of the grid.</p><p>Multiply 20 x 4 = 80</p><p>Multiply 3 x 4 = 12</p><p>Answer: 80 + 12 = 92</p></div>
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<p>Year 3</p> <p>Multiplication x</p>	<p>Use partitioning (grid multiplication) to multiply 2-digit and 3-digit numbers by 'friendly' 1-digit numbers</p>	<div style="text-align: center;"> 23×4 $\begin{array}{r c c} \times & 20 & 3 \\ \hline 4 & 80 & 12 \end{array} = 92$ </div> <div style="border: 1px solid black; padding: 10px; margin-top: 20px;"> <p>Draw a grid.</p> <p>Partition 23 into tens and units (20 + 3) and write across the top of the grid.</p> <p>Write the 4 at the side of the grid.</p> <p>Multiply 20 x 4 = 80</p> <p>Multiply 3 x 4 = 12</p> <p>Answer: 80 + 12 = 92</p> </div>
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Year 4
Multiplication
x

Use a vertical written method to multiply a 1-digit number by a 3-digit number

$$\begin{array}{r}
 135 \\
 \times \quad 6 \\
 \hline
 810
 \end{array}$$

Multiply the units ($6 \times 5 = 30$). Write 0 beneath the line in the units column and carry 3 tens above the line into the tens column.

Multiply the tens ($6 \times 3 = 18$). Add the extra 3 tens ($18 + 3 = 21$). Write the 1 beneath the line in the tens column and carry 2 hundreds above the line in the hundreds column.

Multiply the hundreds ($6 \times 1 = 6$). Add the extra 2 hundreds ($6 + 2 = 8$).

Use an efficient written method to multiply a 2-digit number by a number between 10 and 20 by partitioning (grid method)

$$\begin{array}{r}
 23 \times 16 \\
 \begin{array}{c|c|c}
 \times & 20 & 3 \\
 \hline
 10 & 200 & 30 & = & 230 \\
 \hline
 6 & 120 & 18 & + & 138 \\
 \hline
 & & & & 368
 \end{array}
 \end{array}$$

Draw a grid.

Partition 23 into tens and units ($20 + 3$) and write across the top of the grid.

Partition 16 into tens and units ($10 + 6$) and write down the side of the grid.

Multiply $10 \times 20 = 200$

Multiply $10 \times 3 = 30$

Multiply $6 \times 20 = 120$

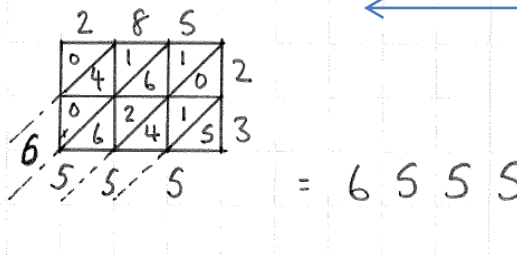
Multiply $6 \times 3 = 18$

Add $200 + 30 = 230$; add $120 + 18 = 138$

Answer: $230 + 138 = 368$

<p>Year 5 Multiplication x</p>	<p>Use short multiplication to multiply a 1-digit number by a number with up to 4 digits</p> <p>Use long multiplication to multiply 3-digit and 4-digit numbers by a number between 11 and 20</p>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 20px;"> <div style="text-align: center; margin-right: 10px;"> $\begin{array}{r} 2674 \\ \times \\ \hline 13370 \end{array}$ </div> <div style="margin-left: 10px;"> <p>←</p> </div> </div> <div style="border: 1px solid black; padding: 5px; width: 90%; margin-bottom: 20px;"> <p>Multiply the units ($5 \times 4 = 20$). Write 0 beneath the line in the units column and carry 2 tens above the line into the tens column.</p> <p>Multiply the tens ($5 \times 7 = 35$). Add the extra 2 tens ($35 + 2 = 37$). Write the 7 beneath the line in the tens column and carry 3 hundreds above the line in the hundreds column.</p> <p>Multiply the hundreds ($5 \times 6 = 30$). Add the extra 3 hundreds ($30 + 3 = 33$). Write the 3 beneath the line in the hundreds column and carry 3 thousands above the line in the thousands column.</p> <p>Multiply the thousands ($5 \times 2 = 10$). Add the extra 3 thousands ($10 + 3 = 13$) and write 3 beneath the line in the thousands column and 1 beneath the line in the ten thousands column.</p> </div> <div style="display: flex; align-items: center; margin-bottom: 20px;"> <div style="text-align: center; margin-right: 20px;"> 327×16 <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="border: none;">x</td> <td style="border: none;"> </td> <td style="border: none;">300</td> <td style="border: none;"> </td> <td style="border: none;">20</td> <td style="border: none;"> </td> <td style="border: none;">7</td> <td style="border: none;">=</td> <td style="border: none;">3270</td> </tr> <tr> <td style="border: none;">10</td> <td style="border: none;"> </td> <td style="border: none;">3000</td> <td style="border: none;"> </td> <td style="border: none;">200</td> <td style="border: none;"> </td> <td style="border: none;">70</td> <td style="border: none;"></td> <td style="border: none;"></td> </tr> <tr> <td style="border: none;">6</td> <td style="border: none;"> </td> <td style="border: none;">1800</td> <td style="border: none;"> </td> <td style="border: none;">120</td> <td style="border: none;"> </td> <td style="border: none;">42</td> <td style="border: none;"></td> <td style="border: none;"></td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> </tr> <tr> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;"></td> <td style="border: none;">$\frac{11}{5232}$</td> </tr> </table> </div> <div style="margin-left: 20px;"> <p>←</p> </div> </div> <div style="border: 1px solid black; padding: 5px; width: 100px; margin-left: 10px;"> <p>See example for Year 4 multiplication</p> </div> </div>	x		300		20		7	=	3270	10		3000		200		70			6		1800		120		42																				$\frac{11}{5232}$
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<p>Year 6</p> <p>Multiplication x</p>	<p>Use short multiplication to multiply a 1-digit number by a number with up to 4 digits</p> <p>Use long multiplication to multiply a 2-digit number by a number with up to 4 digits</p>	<div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 20px;"> $\begin{array}{r} 2674 \\ \times 5 \\ \hline 13370 \end{array}$ </div> <div style="border: 1px solid black; padding: 5px;"> <p>See example for Year 5 multiplication</p> </div> </div> <div style="display: flex; align-items: center;"> <div style="text-align: center; margin-right: 20px;"> $\begin{array}{r} 327 \\ \times 16 \\ \hline 1962 \\ 3270 \\ \hline 5232 \end{array}$ </div> <div style="border: 1px solid black; padding: 10px;"> <p>Begin by multiplying 327×6</p> <p>Multiply the units ($6 \times 7 = 42$). Write 2 beneath the line in the units column and carry 4 tens above the line into the tens column.</p> <p>Multiply the tens ($6 \times 2 = 12$). Add the extra 4 tens ($12 + 4 = 16$). Write the 6 beneath the line in the tens column and carry 1 hundred above the line in the hundreds column.</p> <p>Multiply the hundreds ($6 \times 3 = 18$). Add the extra 1 hundred ($18 + 1 = 19$). Write the 9 beneath the line in the hundreds column and 1 beneath the line in the thousands column.</p> <p>Next multiply 327×10. Start a new row.</p> <p>Always write a 0 first in the units column. Now you can multiply by 1.</p> <p>Multiply the units ($1 \times 7 = 7$). Write 7 in the tens column.</p> <p>Multiply the tens ($1 \times 2 = 2$). Write 2 in the hundreds column.</p> <p>Multiply the hundreds ($1 \times 3 = 3$). Write 3 in the thousands column.</p> <p>Add $1962 + 3270 = 5232$</p> </div> </div>
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<p>Year 6</p> <p>Multiplication x</p>	<p>Use short multiplication to multiply a 1-digit number by a number with 1 or 2 decimal places, including amounts of money</p>	<div style="text-align: center;"> 285×23  </div> <div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p>See example for Year 5 multiplication. Keep the decimal point in line and remember to include it in your answer.</p> </div> <div style="text-align: center;"> $\begin{array}{r} \text{£ } 45.25 \\ \times \quad \quad \quad 6 \\ \hline \text{£ } 271.50 \end{array}$ </div>	<p>This is the lattice method. Set out the grid as shown.</p> <p>Multiply $2 \times 2 = 4$ (write as 04 in the grid).</p> <p>Multiply $8 \times 2 = 16$</p> <p>Multiply $5 \times 2 = 10$</p> <p>Multiply $2 \times 3 = 6$ (write as 06 in the grid).</p> <p>Multiply $8 \times 3 = 24$</p> <p>Multiply $5 \times 3 = 15$</p> <p>Starting from the bottom right corner, add the diagonals and write the total between the dotted lines.</p> <p>5</p> <p>$0 + 1 + 4 = 5$</p> <p>$1 + 6 + 2 + 6 = 15$ (write 5 and carry 1 into the next diagonal)</p> <p>$1 + 4 + 0 + 1 = 6$</p> <p>0</p> <p>Answer: 6555</p>
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Year 2 Division ÷	Begin to halve numbers to 40	$26 \div 2$ $\begin{array}{r} 26 \\ / \quad \backslash \\ 10 \quad 3 = 13 \end{array}$ <div data-bbox="1283 288 1776 533" style="border: 1px solid black; padding: 5px;"><p>Halve the tens (half of 20 = 10)</p><p>Halve the units (half of 6 = 3)</p><p>Answer: $10 + 3 = 13$</p></div>
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<p>Year 3</p> <p>Division ÷</p>	<p>Halve numbers</p> <p>Perform divisions just above the 10th multiple understanding how to give a remainder as a whole number</p>	<p style="text-align: center;"> $268 \div 2$ $\begin{array}{c} 268 \\ / \quad \quad \backslash \\ 100 \quad 30 \quad 4 \\ = 134 \end{array}$ </p> <p style="text-align: center;"> $65 \div 5$ $\begin{array}{r} 13 \\ 5 \overline{) 65} \end{array}$ </p> <p style="text-align: center;"> $61 \div 4$ $\begin{array}{r} 15 \text{ r } 1 \\ 4 \overline{) 61} \end{array}$ </p>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>Halve the hundreds (half of 200 = 100)</p> <p>Halve the tens (half of 60 = 30)</p> <p>Halve the units (half of 8 = 4)</p> <p>Answer: $100 + 30 + 4 = 134$</p> </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p>The bus shelter! Divide 6 by 5 ($6 \div 5 = 1$ remainder 1)</p> <p>Write 1 above the line above the 6 and carry the 1 remainder in front of the 5 to make 15.</p> <p>Divide 15 by 5 ($15 \div 5 = 3$).</p> <p>Write 3 above the line above the 5.</p> <p>Answer: $65 \div 5 = 13$</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p>The bus shelter! Divide 6 by 4 ($6 \div 4 = 1$ remainder 2)</p> <p>Write 1 above the line above the 6 and carry the 2 remainder in front of the 1 to make 21.</p> <p>Divide 21 by 4 ($21 \div 4 = 5$ remainder 1).</p> <p>Write 5 above the line above the 1 and r1 to show the remainder.</p> <p>Answer: $61 \div 4 = 15 \text{ r } 1$</p> </div>
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<p>Year 4</p> <p>Division ÷</p>	<p>Use a written method to divide a 2-digit or a 3-digit number by a 1-digit number</p> <p>Give remainders as whole numbers</p>	$115 \div 5$ $\begin{array}{r} 23 \\ 5 \overline{) 115} \end{array}$	<p>The bus shelter! Look at the first number (1). You cannot divide 1 by 5 so look at the second number (1) as well.</p> <p>Divide 11 by 5 ($11 \div 5 = 2$ remainder 1)</p> <p>Write 2 above the line above the second 1 and carry the 1 remainder in front of the 5 to make 15.</p> <p>Divide 15 by 5 ($15 \div 5 = 3$).</p> <p>Write 3 above the line above the 5.</p> <p>$115 \div 5 = 23$</p>
		$137 \div 4$ $\begin{array}{r} 34 \text{ r } 1 \\ 4 \overline{) 137} \end{array}$	<p>The bus shelter! Look at the first number (1). You cannot divide 1 by 4 so look at the second number (3) as well.</p> <p>Divide 13 by 4 ($13 \div 4 = 3$ remainder 1)</p> <p>Write 3 above the line above the 3 and carry the 1 remainder in front of the 7 to make 17.</p> <p>Divide 17 by 4 ($17 \div 4 = 4$ remainder 1).</p> <p>Write 4 above the line above the 7 and r1 to show the remainder.</p> <p>$137 \div 4 = 34 \text{ r } 1$</p>

<p>Year 5</p> <p>Division ÷</p>	<p>Use short division to divide a number with up to 4 digits by a number ≤ 12</p> <p>Give remainders as whole numbers or as fractions</p>	<div style="display: flex; flex-direction: column; align-items: center;"> <div style="display: flex; align-items: center; margin-bottom: 20px;"> $1765 \div 4$ <div style="border: 1px solid black; padding: 5px; margin-left: 10px;"> <p>The bus shelter! See Year 4 division for example.</p> </div> </div> <div style="display: flex; align-items: center; margin-bottom: 20px;"> $4 \overline{) 1765} \quad 441 \text{ r } 1$ </div> <div style="display: flex; align-items: center;"> $4 \overline{) 1765} \quad 441 \frac{1}{4}$ <div style="border: 1px solid black; padding: 5px; margin-left: 10px;"> <p>To write your remainder as a fraction simply use the remainder (1) as the numerator (the top number) and the number you are dividing by (4) as the denominator (the bottom number) e.g. $\frac{1}{4}$</p> </div> </div> </div>
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<p>Year 6</p> <p>Division ÷</p>	<p>Use short division to divide a number with up to 4 digits by a 1-digit or a 2-digit number Give remainders as whole numbers or as fractions or as decimals</p> <p>Use long division to divide 3-digit and 4-digit numbers by 'friendly' 2-digit numbers</p>	$\begin{array}{r} 765 \div 4 \\ 191.25 \\ \hline 4 \overline{) 7365.0^20} \end{array}$ $\begin{array}{r} 1008 \div 21 \\ 48 \\ \hline 21 \overline{) 1008} \end{array}$	<p>The bus shelter! To write your remainder as a decimal begin the division as above.</p> <p>$7 \div 4 = 1$ remainder 3</p> <p>$36 \div 4 = 9$</p> <p>$5 \div 4 = 1$ remainder 1</p> <p>Add a decimal point and a 0 after the decimal point. Carry the 1 remainder to the 0 after the decimal point to make 10.</p> <p>$10 \div 4 = 2$ remainder 2</p> <p>Add another 0. Carry the 2 remainder to make 20.</p> <p>$20 \div 4 = 5$</p> <p>The bus shelter!</p> <p>$100 \div 21 = 4$ remainder 16</p> <p>$168 \div 21 = 8$</p> <p>$1008 \div 21 = 48$</p> <p>If it helps, write out multiples of 21...</p> <p>21, 42, 63, 84, 105, 126, 147, 168</p>
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