



## Freeman Community Primary School

### Calculations- Year 5

Please find a calculations guide for the Year 1 curriculum, demonstrating the methods that we teach the children in school.

For each operation you will find different methods as well as images and written calculation to demonstrate how you can support your child at home.

If you would like to discuss any of the methods further, please speak to your child's class teacher.

### Mental Maths

To support your child's learning at home, please practise:

- Reading numbers to 1 000 000;
- Multiplying and dividing numbers by 10, 100, 1000, 10 000 and 100 000;
- Counting backwards and forwards through 0 including negative numbers;
- Addition and subtraction facts (single digits, tens, hundreds and thousands)
- Add and subtract 2 and 3 digit numbers;
- Multiplication and division facts for all times tables up to 12 x 12;
- Multiplying and dividing numbers by 10, 100 and 1000;
- Converting between measurements e.g. mm, cm, m and km or g and kg or ml and l;
- Identifying 3d shapes in everyday objects as well as drawings.

### Useful websites

The websites below include games and activities that you can play with your children to support their learning in Maths.

[www.topmarks.co.uk](http://www.topmarks.co.uk)

[www.bbc.co.uk/bitesize/ks2/maths/](http://www.bbc.co.uk/bitesize/ks2/maths/)

[www.ictgames.com](http://www.ictgames.com)

[www.primarygames.co.uk](http://www.primarygames.co.uk)

[www.mymaths.co.uk](http://www.mymaths.co.uk)


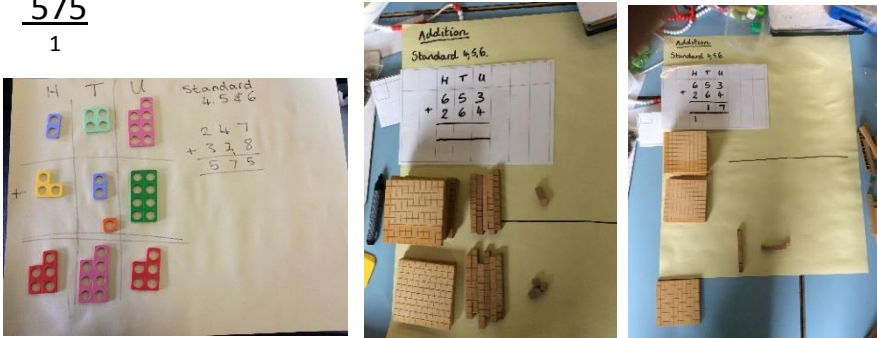
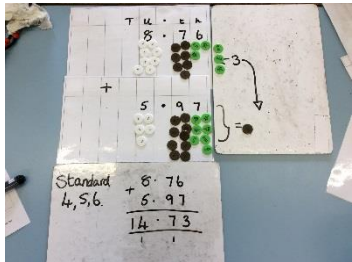
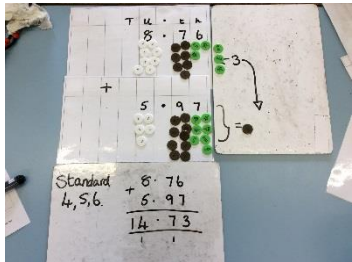
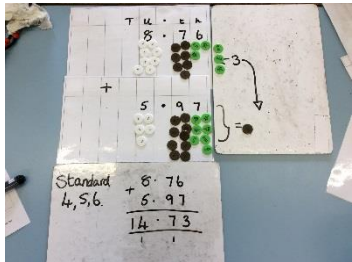
[www.coolmath-games.com/](http://www.coolmath-games.com/)

<https://nrich.maths.org/>

[www.primarygames.co.uk/pg3/mwipe/mwipe.html](http://www.primarygames.co.uk/pg3/mwipe/mwipe.html) (Good for practising times tables)

[www.primarygames.co.uk/pg4/Ghostbusters2006/ghost2006.swf](http://www.primarygames.co.uk/pg4/Ghostbusters2006/ghost2006.swf) (Good for practising times tables)

**Year 5**

<b>Addition</b>	<b>Elaboration and examples</b>				
<p>The shorter method continues to be used.</p>	<p>6814  <u>+2162</u>            8976</p> 				
<p>Numbers get carried in to the next column.</p>	<p>247  <u>+ 328</u>  <u>575</u>            1</p> 				
<p>This method is also used with larger numbers, decimals, and more than 2 numbers. It is also used across different context e.g. measures, money.</p>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <p>£ 8.76  <u>+ £ 5.97</u>  <u>£14.73</u>            1 1</p> </td> <td style="width: 50%; border: none;"> <p>267432  <u>+ 134098</u>  <u>401530</u>            11 11</p> </td> </tr> <tr> <td style="border: none;"> <p>2651  <u>+ 1831</u>  <u>+ 1096</u>  <u>5578</u>            1 1</p> </td> <td style="border: none;">  </td> </tr> </table>	<p>£ 8.76  <u>+ £ 5.97</u>  <u>£14.73</u>            1 1</p>	<p>267432  <u>+ 134098</u>  <u>401530</u>            11 11</p>	<p>2651  <u>+ 1831</u>  <u>+ 1096</u>  <u>5578</u>            1 1</p>	
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<p>2651  <u>+ 1831</u>  <u>+ 1096</u>  <u>5578</u>            1 1</p>					

## Subtraction

### Standard 5

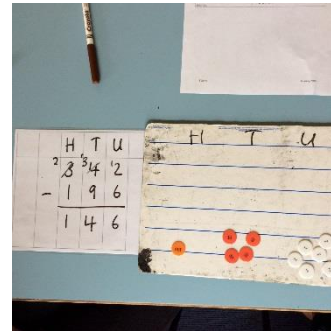
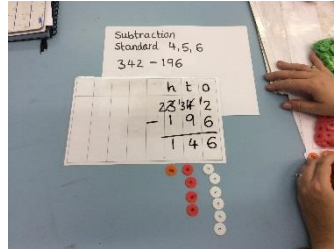
This moves to column method where numbers can be borrowed from the column on the left.

This is also used with larger numbers, and decimals. It is also used in wider contexts which include measures and money.

## Elaboration and examples

$$\begin{array}{r} \overset{2}{\cancel{3}} \overset{3}{\cancel{4}} 1 \\ - 196 \\ \hline 146 \end{array}$$

$$\begin{array}{r} \overset{5}{\cancel{5}} \overset{13}{\cancel{13}} \overset{10}{\cancel{10}} 107 \\ - 35236 \\ \hline 28871 \end{array}$$



$$\begin{array}{r} \pounds 1 \overset{5}{\cancel{5}} \overset{13}{\cancel{13}} \overset{1}{\cancel{1}} 2 \\ - \pounds 15.88 \\ \hline 00.54 \end{array}$$



