

Calculation methods in Year 4.

Steps in addition

H	T	U
1	5	3
+2	6	6
<hr/>		
3	1	9

$100 + 50 + 3$
 $200 + 60 + 6$
 $300 + 110 + 9$

➔

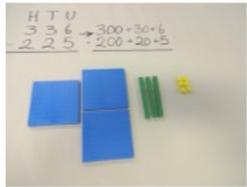
H	T	U
1	5	3
+2	6	6
<hr/>		
1	1	0
3	0	0
4	1	9

➔

This becomes

H	T	U
1	5	3
+2	6	6
<hr/>		
4	1	9
1		

Subtraction



becomes

H	T	U	
3	3	6	
-	2	2	5
<hr/>			
1	1	1	

H	T	U	
3	3	6	
-	2	2	5
<hr/>			
1	1	1	

Multiplication grid method

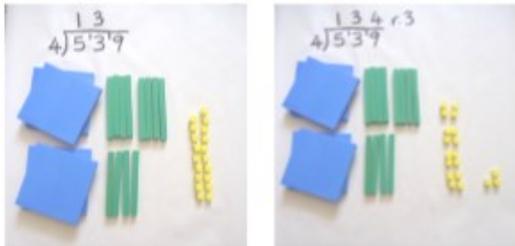
	200	10	5
4	800	40	20

Multiplication standard method

H	T	U
2	1	5
X		4
<hr/>		
2	0	(5 × 4)
4	0	(10 × 4)
8	0	(200 × 4)
8	6	0

➔

H	T	U	
2	1	5	
X		4	
<hr/>			
	8	6	0
<hr/>			
8	6	0	



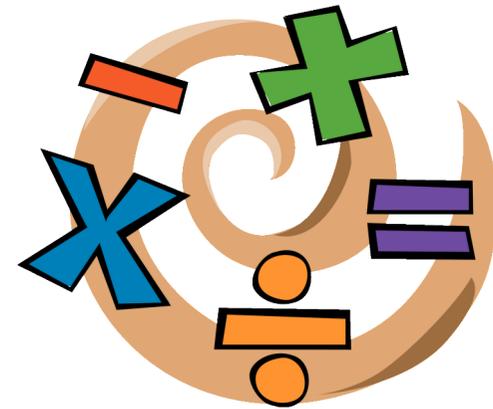
Division

SUPPORT FOR PARENTS about how maths is taught in schools can be found at

<https://www.oxfordowl.co.uk/for-home/maths-site/expert-help--2/maths-in-school>

This website has useful booklets on calculation methods as well as helpful videos.

<http://www.amathsdictionaryforkids.com/> explains important maths vocabulary in a simple way for children and adults!



Maths in Year 4. Information for Parents.



This booklet is intended as a guide for parents to the mathematics curriculum taught in year 4. It outlines the key expectations for the year group as well as the important mental number facts that children need to have grasped by the end of the year.

Mental Skills.

Children need to be able to recall or recite these quickly and fluently.

- Count in multiples of 6, 7, 9, 25 and 1000.
- Count in 1/10's and 1/100's
- Know pairs of 2 digit numbers that make 100 eg $24 + 76$
- Find 100 and 1000 more or less than a number
- Double 2 digit numbers and find halves of numbers
- Explore multiplying and dividing numbers by 10 and 100.

The major focus in year 4 is developing quick recall of times tables facts as well as the related division facts

eg $3 \times 4 = 12$ $12 \div 4 = 3$

- Have instant recall of **all times tables** up to 12×12

These skills should be practised regularly. Choose a few facts/skills to practise each week. They can be practised on the walk to school, while driving in the car or through maths games websites such as <http://www.maths-games.org>

Maths Curriculum.

In Year 4 children will also learn to:

- Order and compare numbers beyond 1000
- Begin to work with negative numbers
- Round numbers to nearest 10, 100, 1000.
- Read Roman numerals to 100.
- Add and subtract 4 digit numbers using the column method.
- Multiply and divide 3 digit numbers by a 1 digit number using standard method.
- Compare numbers with up to 2 decimal places.
- Add and subtract fractions with the same denominator.
- Know decimal equivalents for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$.
- Know common equivalent fractions.
- Measure area by counting squares.
- Calculate the perimeter of shapes.
- Convert between analogue and digital clocks.
- Convert different units of measurement eg m/km, g/kg, mm/cm.
- Identify lines of symmetry
- Classify different quadrilaterals and triangles.
- Identify acute and obtuse angles.
- Use co-ordinates in the first quadrant.
- Identify lines of symmetry in 2d shapes.
- Translation of shapes (left, right, up, down).
- Interpret and present discrete and continuous data using appropriate graphical methods