

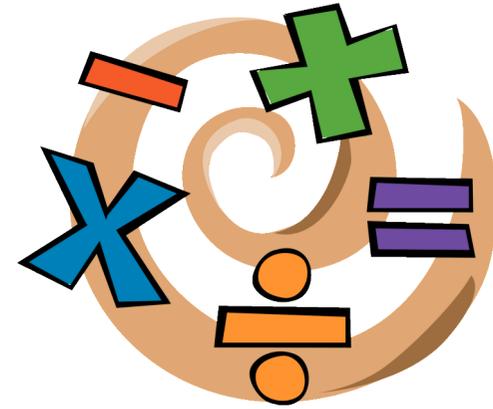
Calculation methods in Year 3.

Stages in Addition

25	$20 + 5$	→	<table style="border-collapse: collapse; text-align: center;"> <tr><td>T</td><td>U</td></tr> <tr><td>4</td><td>5</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>+4</td><td>6</td></tr> <tr><td>1</td><td>1</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>8</td><td>0</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>9</td><td>1</td></tr> </table>	T	U	4	5	<hr/>		+4	6	1	1	<hr/>		8	0	<hr/>		9	1	→	<p>becomes</p> <table style="border-collapse: collapse; text-align: center;"> <tr><td>T</td><td>U</td></tr> <tr><td>4</td><td>5</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>+4</td><td>6</td></tr> <tr><td>9</td><td>1</td></tr> <tr><td colspan="2"><hr/></td></tr> <tr><td>1</td><td></td></tr> </table>	T	U	4	5	<hr/>		+4	6	9	1	<hr/>		1	
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$30 + 2$
 $50 + 7 = 57$

Multiplication: the grid method moving to the standard method



Maths in Year 3. Information for Parents.

HTU

3	3	6
-	2	2
<hr/>		
1	1	1

HTU

3	3	6
-	2	2
<hr/>		
1	1	1

Subtraction

	10	5
4	40	20

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

Division

4)	48
<hr/>		
1		2

4)	48
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1		2

4)	48
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1		2

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!



This booklet is intended as a guide for parents to the mathematics curriculum taught in year 3. 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 4's, 8's 50's 100's forwards and backwards
- Find 10/ 100 more or less than a 3 digit number
- Add single digit numbers, multiples of 10 and 100 to 2 and 3 digit numbers

The major focus in year 3 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 2,5,10,3,4 and 8 times tables
- Multiply 1 and 2 digit numbers by 10 and 100
- Work out unit fractions of amounts eg $1/2$, $1/4$, $1/5$, $1/8$

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 3 children will also learn to:

- Count, read and write numbers to 1000 in numbers and words.
- Understand the place value of 3 digit numbers.
- Compare and order numbers to 1000.
- Add and subtract numbers up to 3 digits using the column method
- Multiply and divide 2 digit numbers by 1 digit numbers.
- Recognise unit ($1/5$) and non-unit ($3/5$) fractions with small denominators i.e. to eights.
- Recognise equivalent fractions.
- Add fractions with the same denominator eg $3/5 + 2/5$
- Tell the time to the nearest minute using analogue clocks.
- Begin to use the 24 hour clock.
- Measure in mm.
- Measure the perimeter of shapes.
- Add and subtract amounts of money to give change.
- Draw 2d shapes and construct 3d shapes.
- Recognise angles in 2d shapes.
- Identify right angles and their relationships to turns.
- Recognise horizontal, vertical, parallel and perpendicular lines.
- Interpret and present data using bar charts, pictograms and tables