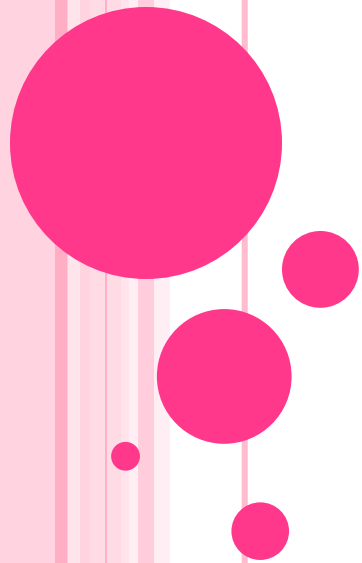


Maths in KS2



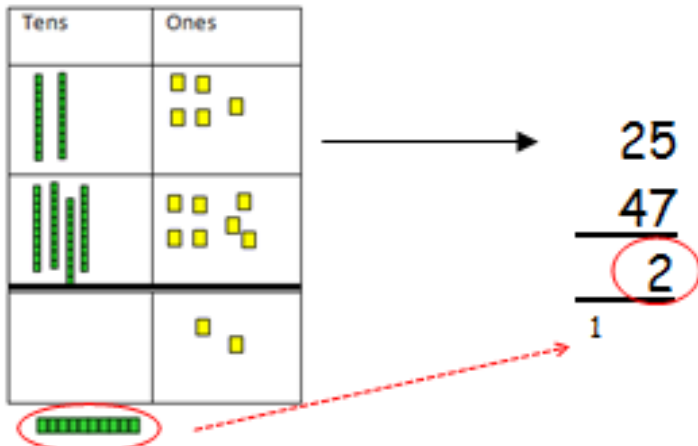
Problem Solving

5 things before the lights go out:

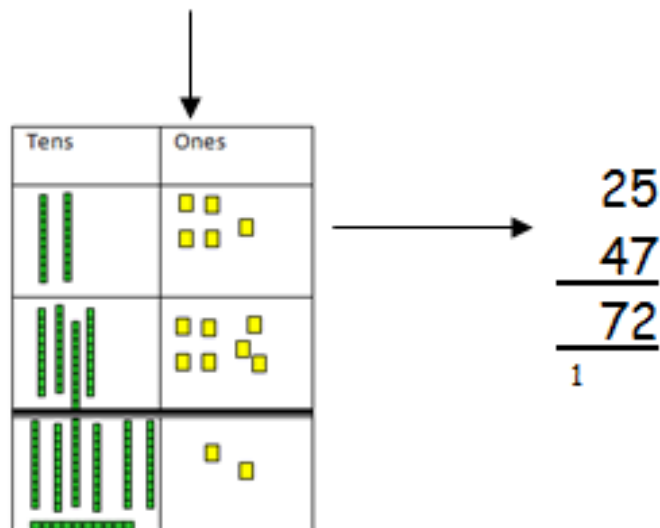
- 100 square
- Washing line
- Memory tray
- Clock
- Counting stick



Addition Methods



Leading to



Year 3

Add numbers with up to three digits

Year 4

Add numbers with up to 4 digits

Year 5


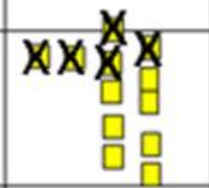
Add whole numbers with more than 4 digits

Year 6

Solve addition multi-step problems in contexts, deciding which operations and methods to use and why



Subtraction Methods

Tens	Ones
	

$$\begin{array}{r} \overset{6}{\cancel{7}}\overset{1}{2} \\ -25 \\ \hline 47 \end{array}$$

Year 3

Subtract numbers with up to three digits

Year 4

Subtract numbers with up to 4 digits

Year 5

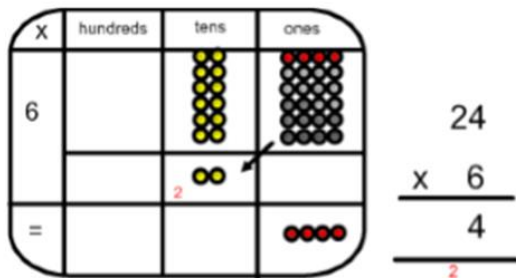
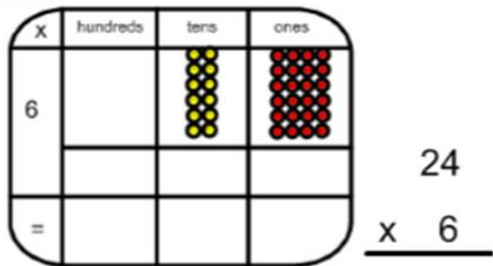
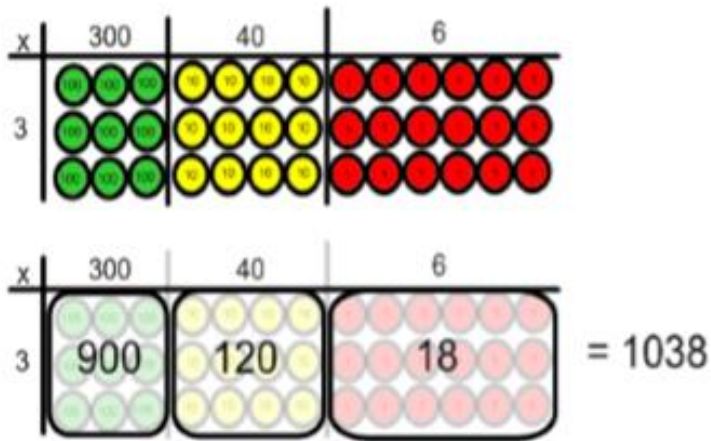
Subtract whole numbers with more than 4 digits

Year 6

Solve subtraction multi-step problems in contexts, deciding which operations and methods to use and why



Multiplication Methods



Year 3

Two-digit numbers times one-digit numbers

Year 4

Multiply two-digit and three-digit numbers by a one-digit number using formal written layout

Year 5

Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers

Year 6

Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication

Division Methods

$$362 \div 7 =$$

$$\begin{array}{r} 51 \text{ r}5 \\ 7 \overline{) 362} \end{array}$$

$$362 \div 7 = 51 \text{ r}5$$

$$\begin{array}{r} 017 \text{ r}10 \\ 25 \overline{) 435} \\ \underline{0} \\ 43 \\ \underline{25} \\ 185 \\ \underline{175} \\ 010 \end{array}$$

Year 3

Recall and use division facts for the 3, 4 and 8 multiplication tables

Year 4

Recall division facts for multiplication tables up to 12×12

Year 5

Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders

appropriately for the context

Year 6

Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders

Websites

<http://www.mathletics.co.uk/>

<http://www.topmarks.co.uk/Interactive.aspx?cat=20>

<http://resources.woodlands-junior.kent.sch.uk/maths/>

<http://www.crickweb.co.uk/ks2numeracy.html>

<http://www.bbc.co.uk/bitesize/ks2/maths/number/>

<http://mathsframe.co.uk/>

http://www.strike.lancsngfl.ac.uk/download/file/Willow%20Class/Maths/ITPs/Hit_the_button_v10.swf

