

Maths



How to help your child with
their maths

Maths: Helping at Home

Here are a few ideas of how to help your child with their maths.

Tables

Chant them!

Money

- Shopping
- Compare prices – which is bigger/smaller?
- How much have you spent?
- Which coins can you use to pay?
- What is your change?

- Count your pocket money
- Work out the cost of a day out.

Numberbonds

- $8 + \underline{\quad} = 10$

Analogue clocks:

- O'clock
- Half past
- Quarter past
- Quarter to
- To the nearest 5 minutes
- To the nearest minute.

- Buy an analogue watch

<http://www.amazon.co.uk/> search for 'time teaching watches'

- Time games

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

<http://classroom.jc-schools.net/basic/math-time.html>

Measuring

- Cooking – weighing ingredients.

Games

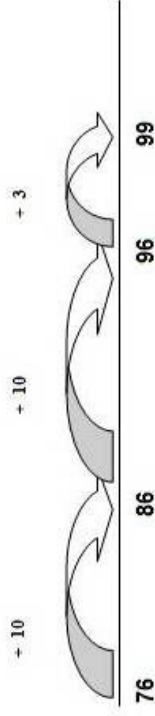
- <http://resources.woodlands-junior.kent.sch.uk/maths/timestable/index.html>
- <http://www.topmarks.co.uk/maths-games/5-7-years/counting>
- <http://www.ictgames.com/resources.html>
- <http://www.maths-games.org/times-tables-games.html>



Addition - Clover

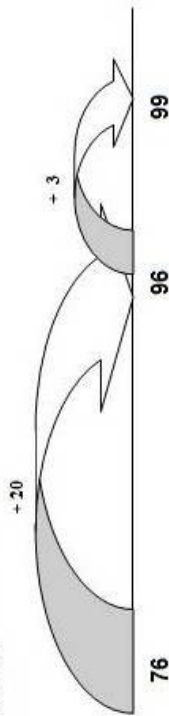
Use of blank number lines.

$$76 + 23$$



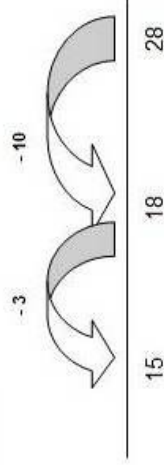
Adding multiples of 10

$$76 + 23$$

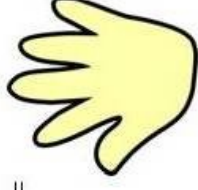


Subtraction - Clover

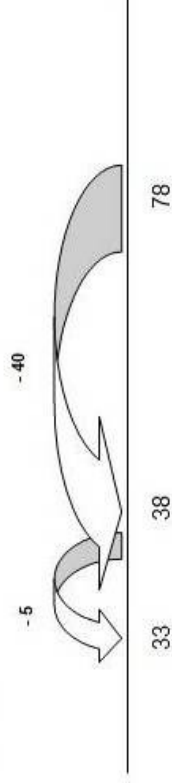
$$28 - 13 =$$



$$28 - 6 =$$



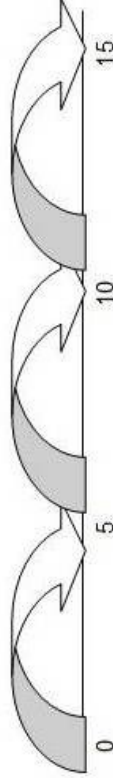
$$78 - 45 =$$



Multiplication - Clover

Repeated Addition

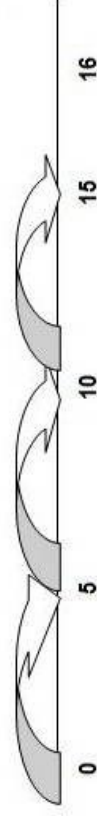
$$3 \times 5 = 5 + 5 + 5 = 15$$



Division - Clover

$$16 \div 5 =$$

1 lot of 5 2 lots of 5 3 lots of 5 with 1 remaining





Addition – Lotus/Orchid

$$156 + 167$$

- 1) Start by adding up the units. $6 + 7 = 13$, so the 3 goes under the units and the 10 goes into the tens column.

$$\begin{array}{r} 156 \\ + 167 \\ \hline 3 \end{array}$$

- 2) Next add the tens. $5 + 6 + 1 = 12$. The 2 goes under the tens column and the 10 goes into the hundreds column.

$$\begin{array}{r} 156 \\ + 167 \\ \hline 23 \end{array}$$

- 3) Finally add the hundreds. $= 1 + 1 + 1 = 3$

$$\begin{array}{r} 156 \\ + 167 \\ \hline 323 \\ \hline \end{array} = 323$$

Subtraction – Lotus/Orchid

$$342 - 125$$

- 1) write out your sum like below:

$$\begin{array}{r} 342 \\ - 125 \\ \hline \end{array}$$

- 3) Then take 5 from the 12:

$$\begin{array}{r} 3\cancel{4}2 \\ - 12\cancel{5} \\ \hline 7 \end{array}$$

- 2) Then start with the units. As you cannot take 5 units from 2 you need to borrow a ten from the tens column:

$$\begin{array}{r} 3\cancel{4}2 \\ - 125 \\ \hline \end{array}$$

- 4) Next take the 20 from the 30 and the 100 from the 300 to give your final answer.

$$\begin{array}{r} 3\cancel{4}2 \\ - 125 \\ \hline 217 \end{array}$$

Multiplication – Lotus/Orchid

Formal multiplication method example.

$$\begin{array}{r} 18 \\ \times 17 \\ \hline \end{array}$$

- 1) First multiply 7×8 and then 7×3

$$\begin{array}{r} 18 \\ \times 17 \\ \hline 126 \\ \hline \end{array}$$

- 2) Then add in the bogeyman

$$\begin{array}{r} 18 \\ \times 17 \\ \hline 126 \\ 180 \\ \hline 306 \end{array}$$

- 3) Next multiply 1×8 and then 1×1

$$\begin{array}{r} 18 \\ \times 17 \\ \hline 126 \\ 180 \\ \hline 306 \end{array}$$

- 4) Finally add 126 and 180.

$$\begin{array}{r} 18 \\ \times 17 \\ \hline 126 \\ 180 \\ \hline 306 \end{array}$$

Division – Lotus/Orchid

$$113 \div 3$$

$$3 \overline{) 113}$$

- 1) How many 3s are in 1? There are 0. Carry the 1 over.

$$\begin{array}{r} 0 \\ 3 \overline{) 113} \end{array}$$

- 2) How many 3s are there in 11? There are 3 with 2 remainder. Carry the 2.

$$\begin{array}{r} 03 \\ 3 \overline{) 113} \end{array}$$

- 3) How many 3s are there in 23? There are 7 with 2 remainder.

$$\begin{array}{r} 037r2 \\ 3 \overline{) 113} \end{array}$$