




# Mental Maths

## Cards

Card version of  
mental maths  
boards


$$3 \times 9$$

$$2 \times 6$$

$$12$$

$$27$$

$$4 + 3$$

# Mental Maths Cards

Work in progress with Y3. This looks like it will always be in progress so here is a good opportunity to invite you all to try out progress so far and to take it further. Please share!

[www.collaborativelearning.org/mentalmathscards.pdf](http://www.collaborativelearning.org/mentalmathscards.pdf)  
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Good for all pupils!  
Vital for EAL pupils!

**Basic principles behind our talk for  
learning activities:  
Oracy in curriculum contexts!**

It's empowering to  
talk an idea through  
before you write  
about it!

Build on children's own prior knowledge.  
Move from concrete to abstract.  
Ensure everyone works with  
everyone else.  
Extend social language towards  
curriculum language.  
Provide motivating ways to go over the  
same knowledge more than once.

# Mental Maths Cards

Here are card versions of the Mental Maths Boards another way to encourage children to work together in twos (and later in threes) to carefully follow instructions and then scan and solve mental maths problems rapidly and collaboratively.

The card activity helps co-construction through moving the cards around and cross checking. It is important that the children (not you!) keep the cards in order and they are all marked (we've typically used coloured microbes) so that, when we/you develop a second or third set, they can be sorted into correct sets which is in itself a mental maths activity!

Depending on how they work we can change the boards to have a different set of whole numbers moving up to larger numbers and vary the number of calculations rather than have the same for each number.

Progress so far but we are trying out more ways to play and welcome your suggestions:

Red and Blue Mock Microbes: two different card games for the same numbers as the Flying Frog.

Green/yellow Mock Microbes: card game for simpler numbers 2, 4, 6, 8, 10, 12, 14, 16

# Instructions for Mental Maths Card Game

## Set A Game One Red Mock Microbes











Two or three players.

Lay all the calculation cards out on the table face up.

Put the whole number cards together and shuffle them.  
Place them face down in the middle of the table.

Pick the top card and place face up.

Now try to find as many calculation cards as you can that result in the number on the top card.

 <b>7</b>	 <b>11</b>
 <b>12</b>	 <b>18</b>
 <b>21</b>	 <b>27</b>
 <b>35</b>	 <b>44</b>













