Froxfield C. of E. Primary School
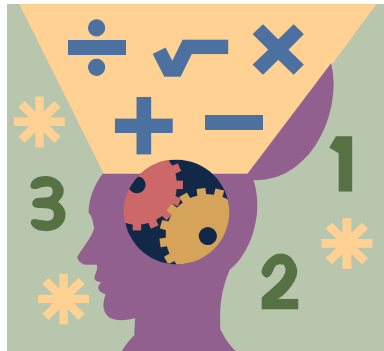
*A place where children love to learn*

# Mental Maths Challenge Card

## Blue Booklet

Improve your mental maths skills by learning your number facts off by heart. Practice at home and when you are ready to be tested ask somebody to sign the booklet. If you know the facts off by heart your teacher will give you a sticker and you will be ready to move on. When you have completed all the challenges in this booklet you will get a certificate.

Name: _____

Class: _____

Date started: _____

Date completed:_____

## Guidance for Parents

Knowing number facts off by heart will make your child more confident with maths in class. They are also a necessary foundation for success in written methods which are introduced from year three.

Children who can calculate addition and subtraction facts mentally are less likely to make errors when working with larger numbers. Children who know their times tables will find formal multiplication and division easier to understand and will be able to work with fractions and decimals, manipulating numbers with confidence.

When working on mental methods at home 'little and often' is the key. You can practice anywhere – in the car, walking to school, cooking tea, waiting in a queue, in the bath etc. Try to make it fun and use games. There are also lots of on-line games that can help.

Remember lots of praise for improvement and the learning process.

Good luck and have fun!

| Number Facts | Signed by Parent | Date Tested in school | Sticker |
|---|---|---|---|
| Number bonds to 50 e.g. 27 + ? = 50, 14 + ? = 50 | | | |
| Number bonds to 100 e.g. 67 + ? = 100 54 + ? = 100 | | | |
| Add and subtract multiples of 100 e.g. 200 + 500       700 - 300 | | | |
| Add and subtract multiples of 1000 e.g. 2000 + 5000       7000 - 3000 | | | |
| Doubles of multiples of 10 and 100 and related halves e.g. Double 400       Half 800 | | | |
| Add or subtract 9 or 11 to or from a 2 digit number e.g. 28 + 9, 74 - 11 | | | |
| Count in multiples of 25 to 1000 | | | |
| Say 1 less than a multiple of 1,000 e.g. 1 less than 6,000 | | | |
| Know $\frac{1}{4}$ of numbers in 4 times table to 48 | | | |
| Say $\frac{1}{10}$ of a multiple of 10 e.g. $\frac{1}{10}$ of 50 | | | |

| Number Facts | Signed by Parent | Date Tested in school | Sticker |
|---|---|---|---|
| Add any pair of 2 digit numbers to 100<br>e.g. 27 + 46 | | | |
| Subtract any pair of 2 digit numbers to 100<br>e.g. 82 - 15 | | | |
| Multiply and divide 2 and 3 digit numbers by 10<br>e.g. 23 x 10, 230 ÷ 10 | | | |
| Multiplication and division facts for the 3 times table<br>e.g. 7 x 3, 21 ÷ 3 | | | |
| Multiplication and division facts for the 4 times table<br>e.g. 7 x 4, 28 ÷ 4 | | | |
| Multiplication and division facts for the 8 times table<br>e.g. 7 x 8, 48 ÷ 8 | | | |
| Mixed multiplication facts for the 3,4,5,8 times tables | | | |
| Count up and back in tenths 0.1,( $\frac{1}{10}$ ) to 1.0, (1) | | | |