



## Mental Maths Challenge Card



### Green 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
Add any pair of 2 digit numbers to 100 e.g. $43 + 36$			
Subtract any pair of 2 digit numbers to 100 e.g. $43 - 36$			
Add a multiple of 10 to any 3 or 4 digit number e.g. $1275 + 40 =$			
Subtraction facts to 50 e.g. $50 - ? = 27$ , $50 - 32 = ?$			
Doubles of numbers to 100 e.g. Double 55 Double 82			
Halves of even numbers to 100 e.g. Half 38 Half 62			
Doubles of numbers with 1 decimal place e.g. Double 3.4 Double 1.7			
Add numbers to 1 decimal place e.g. $3.5 + 6.9$			
Recall all prime numbers to 19			

Number Facts	Signed by Parent	Date Tested in school	Sticker
Multiply and divide by 10 and 100 (not involving decimals) e.g. $230 \times 10$ , $1200 \div 100$			
Multiply by 10 involving decimals e.g. $23 \div 10$ , $8.7 \times 10$			
Multiplication and division facts for the 6 times table e.g. $? \times 6 = 42$ , $? \div 6 = 4$			
Multiplication and division facts for the 9 times table e.g. $? \times 9 = 54$ , $? \div 9 = 4$			
Multiplication and division facts for the 7 times table e.g. $? \times 7 = 56$ , $? \div 7 = 4$			
Find $\frac{1}{4}$ or $\frac{3}{4}$ of a multiple of 4 to 100 e.g. $\frac{3}{4}$ of 64			
Multiply a single digit number by a multiple of 10 e.g. $7 \times 50$			
Know decimal equivalents of $\frac{1}{4}$ , $\frac{1}{10}$ , $\frac{3}{4}$			