

Mental Maths Challenge Card

![MC900332680[1]]()

Extension Booklet 2

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!

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| **Number Facts** | **Signed by Parent** | **Date Tested in school** | **Sticker** |
| Divide a fraction by a fraction eg$\frac{3}{4}$ ÷ $\frac{1}{3}$  |  |  |  |
| BIDMASEg 2² + 3 x 4 |  |  |  |
| Convert between the 12hr and the 24hr clock |  |  |  |
| What number is half way between….Eg 23 and 47 |  |  |  |
| Two missing digitsEg ? - 4 = ? x 2(There will often be more than one correct answer) |  |  |  |
| Calculate the mean of a set of dataEg 3, 7, 4, 1, 5 |  |  |  |
| Calculate the median of a set of data |  |  |  |
| Calculate the mode of a set of data |  |  |  |

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| --- | --- | --- | --- |
| **Number Facts** | **Signed by Parent** | **Date Tested in school** | **Sticker** |
| Order three-place decimalsEg, 0.331, 0.313, 0.133 |  |  |  |
| Add fractions with different denominatorsEg $\frac{2}{5}$ + $\frac{2}{15 }$ |  |  |  |
| Convert between improper and mixed fractionsEg $\frac{9}{4}$ = 2 $\frac{1}{4}$ |  |  |  |
| Complete a division with a remainder as a fraction |  |  |  |
| Complete a division with a remainder as an integer |  |  |  |
| Convert between hours and mins |  |  |  |
| Convert between minutes and seconds |  |  |  |
|  |  |  |  |
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