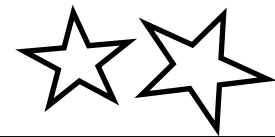


MARVELLOUS MENTAL MATHS - KEY SKILLS!



MULTIPLICATION AND DIVISION

In addition to the 2, 3, 4, 5 and 10 times tables, know **ALL** your times tables inside out and recognise their factors and multiples! And by the end of Year 4 - have fast and fluent recall of all the tables!

6 Times Table

$0 \times 6 = 0$
 $1 \times 6 = 6$
 $2 \times 6 = 12$
 $3 \times 6 = 18$
 $4 \times 6 = 24$
 $5 \times 6 = 30$
 $6 \times 6 = 36$
 $7 \times 6 = 42$
 $8 \times 6 = 48$
 $9 \times 6 = 54$
 $10 \times 6 = 60$
 $11 \times 6 = 66$
 $12 \times 6 = 72$

And \div facts

7 Times Table

$0 \times 7 = 0$
 $1 \times 7 = 7$
 $2 \times 7 = 14$
 $3 \times 7 = 21$
 $4 \times 7 = 28$
 $5 \times 7 = 35$
 $6 \times 7 = 42$
 $7 \times 7 = 49$
 $8 \times 7 = 56$
 $9 \times 7 = 63$
 $10 \times 7 = 70$
 $11 \times 7 = 77$
 $12 \times 7 = 84$

And \div facts

9 Times Table

$0 \times 9 = 0$
 $1 \times 9 = 9$
 $2 \times 9 = 18$
 $3 \times 9 = 27$
 $4 \times 9 = 36$
 $5 \times 9 = 45$
 $6 \times 9 = 54$
 $7 \times 9 = 63$
 $8 \times 9 = 72$
 $9 \times 9 = 81$
 $10 \times 9 = 90$
 $11 \times 9 = 99$
 $12 \times 9 = 108$

And \div facts

11 Times Table

$0 \times 11 = 0$
 $1 \times 11 = 11$
 $2 \times 11 = 22$
 $3 \times 11 = 33$
 $4 \times 11 = 44$
 $5 \times 11 = 55$
 $6 \times 11 = 66$
 $7 \times 11 = 77$
 $8 \times 11 = 88$
 $9 \times 11 = 99$
 $10 \times 11 = 110$
 $11 \times 11 = 121$
 $12 \times 11 = 132$

And \div facts

12 Times Table

$0 \times 12 = 0$
 $1 \times 12 = 12$
 $2 \times 12 = 24$
 $3 \times 12 = 36$
 $4 \times 12 = 48$
 $5 \times 12 = 60$
 $6 \times 12 = 72$
 $7 \times 12 = 84$
 $8 \times 12 = 96$
 $9 \times 12 = 108$
 $10 \times 12 = 120$
 $11 \times 12 = 132$
 $12 \times 12 = 144$

And \div facts

y4

PLACE VALUE AND COUNTING

Count in multiples of 6, 7, 9, 25 and 1000

Find 1000 more or less than any number

Count backwards through zero to include negative numbers

Recognise the place value of each digit in a four digit number

Partition a four digit number into 1000s, 100s, 10s and 1s

(e.g. $2345 = 2000 + 300 + 40 + 5$)

Order and compare numbers beyond 1000

Round any number to the nearest 10, 100 or 1000

Round decimals with one decimal place to the nearest whole number

Understand place value with hundredths and tenths

Compare and order numbers with 2 decimal places

CALCULATION (+ - x ÷)

Understand multiplying and dividing numbers by 10 and 100

Multiply 3 numbers together mentally

USE AND APPLY YOUR TIMES TABLES! (with 3 digit numbers)

For example: If you know that $2 \times 3 = 6$

You also know.... $200 \times 3 = 600$ or $600 \div 2 = 300$

FRACTION ACTION!

Understand and use hundredths and tenths

Count up and down in hundredths $1/100$, $2/100$, $3/100$

Recognise decimal equivalents to simple fractions

$1/10 = 0.1$

$1/100 = 0.01$

$\frac{1}{2} = 0.5$

$\frac{1}{4} = 0.25$

$\frac{3}{4} = 0.75$

Use knowledge of factors and multiples to recognise and simplify equivalent fractions (e.g. $6/9 = 2/3$)

Interactive Resources: Multiple Wipeout, Top Spot, Rounding balloons, Sum Sense, Arithmagons
Dice Games: SPROD, Shall I Risk it, Gozinto