

# EP's MENTAL MATHS - KEY SKILLS!



## MULTIPLICATION AND DIVISION

Know your 2x 5x 10x tables inside out and recognise their multiples

### 2 Times Table

- $0 \times 2 = 0$
- $1 \times 2 = 2$
- $2 \times 2 = 4$
- $3 \times 2 = 6$
- $4 \times 2 = 8$
- $5 \times 2 = 10$
- $6 \times 2 = 12$
- $7 \times 2 = 14$
- $8 \times 2 = 16$
- $9 \times 2 = 18$
- $10 \times 2 = 20$
- $11 \times 2 = 22$
- $12 \times 2 = 24$

And  $\div$  facts

For example:

- $4 \div 2 = 2$
- $8 \div 2 = 4$
- $16 \div 2 = 8$

### 5 Times Table

- $0 \times 5 = 0$
- $1 \times 5 = 5$
- $2 \times 5 = 10$
- $3 \times 5 = 15$
- $4 \times 5 = 20$
- $5 \times 5 = 25$
- $6 \times 5 = 30$
- $7 \times 5 = 35$
- $8 \times 5 = 40$
- $9 \times 5 = 45$
- $10 \times 5 = 50$
- $11 \times 5 = 55$
- $12 \times 5 = 60$

And  $\div$  facts

For example:

- $15 \div 5 = 3$
- $20 \div 5 = 4$
- $45 \div 5 = 9$

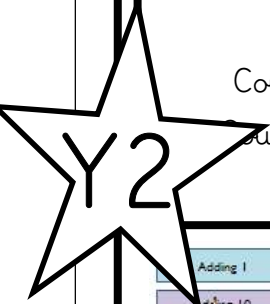
### 10 Times Table

- $0 \times 10 = 0$
- $1 \times 10 = 10$
- $2 \times 10 = 20$
- $3 \times 10 = 30$
- $4 \times 10 = 40$
- $5 \times 10 = 50$
- $6 \times 10 = 60$
- $7 \times 10 = 70$
- $8 \times 10 = 80$
- $9 \times 10 = 90$
- $10 \times 10 = 100$
- $11 \times 10 = 110$
- $12 \times 10 = 120$

And  $\div$  facts

For example:

- $30 \div 10 = 3$
- $40 \div 10 = 4$
- $80 \div 10 = 8$



## PLACE VALUE AND COUNTING

Read any number to at least 100

Recognise the place value of each digit in a two-digit number

Partition numbers up to 100 into 10s and 1s (e.g.  $25 = 20 + 5$ )

Compare and order numbers to 100

Count in steps of 2, 3 and 5 from 0 forwards and backwards

Count in steps of 10 from any number forwards and backwards

Recognise ODD and EVEN numbers



+	0	1	2	3	4	5	6	7	8	9	10
0	0+0	0+1	0+2	0+3	0+4	0+5	0+6	0+7	0+8	0+9	0+10
1	1+0	1+1	1+2	1+3	1+4	1+5	1+6	1+7	1+8	1+9	1+10
2	2+0	2+1	2+2	2+3	2+4	2+5	2+6	2+7	2+8	2+9	2+10
3	3+0	3+1	3+2	3+3	3+4	3+5	3+6	3+7	3+8	3+9	3+10
4	4+0	4+1	4+2	4+3	4+4	4+5	4+6	4+7	4+8	4+9	4+10
5	5+0	5+1	5+2	5+3	5+4	5+5	5+6	5+7	5+8	5+9	5+10
6	6+0	6+1	6+2	6+3	6+4	6+5	6+6	6+7	6+8	6+9	6+10
7	7+0	7+1	7+2	7+3	7+4	7+5	7+6	7+7	7+8	7+9	7+10
8	8+0	8+1	8+2	8+3	8+4	8+5	8+6	8+7	8+8	8+9	8+10
9	9+0	9+1	9+2	9+3	9+4	9+5	9+6	9+7	9+8	9+9	9+10
10	10+0	10+1	10+2	10+3	10+4	10+5	10+6	10+7	10+8	10+9	10+10

Practice until you can recall a fact within 3 seconds!

### Addition Facts!

Learn the facts from the grid,

group by group:

Adding 1

Doubles up to double 10

Adding 2

Bonds to 10

Pairs of numbers that total 2,

3, 4, 5, 6, 7, 8 & 9

Adding 10

Adding 0

Near doubles

Pairs that bridge 10

## FRACTION ACTION!

Recognise simple equivalent fractions (e.g.  $\frac{2}{4}$  and  $\frac{1}{2}$ )

Recognise, find, name and write fractions  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$ ,  $\frac{1}{2}$  and  $\frac{3}{4}$  of a length, shape, quantity or set of objects

Count in  $\frac{1}{2}$ s and  $\frac{1}{4}$ s from any number up to 10 (e.g.  $1\frac{1}{4}$ ,  $1\frac{1}{2}$ ,  $1\frac{3}{4}$ , 2 etc.)

Fluent recall of DOUBLES and HALVES up to 20

Interactive Resources: Multiple Wipeout, Table Mountain, Wipeout Wall Division, Number Bond Balloons, Eggs to Order

Dice Games: Don't Roll a 6, 4 Rolls to 100, The Nice Nasty Game

Adding 1

Doubles

Adding 2

Story of 10



Adding 10

Adding 0

Near doubles

Bridging/  
Compensating

+	0	1	2	3	4	5	6	7	8	9	10
0	0+0	0+1	0+2	0+3	0+4	0+5	0+6	0+7	0+8	0+9	0+10
1	1+0	1+1	1+2	1+3	1+4	1+5	1+6	1+7	1+8	1+9	1+10
2	2+0	2+1	2+2	2+3	2+4	2+5	2+6	2+7	2+8	2+9	2+10
3	3+0	3+1	3+2	3+3	3+4	3+5	3+6	3+7	3+8	3+9	3+10
4	4+0	4+1	4+2	4+3	4+4	4+5	4+6	4+7	4+8	4+9	4+10
5	5+0	5+1	5+2	5+3	5+4	5+5	5+6	5+7	5+8	5+9	5+10
6	6+0	6+1	6+2	6+3	6+4	6+5	6+6	6+7	6+8	6+9	6+10
7	7+0	7+1	7+2	7+3	7+4	7+5	7+6	7+7	7+8	7+9	7+10
8	8+0	8+1	8+2	8+3	8+4	8+5	8+6	8+7	8+8	8+9	8+10
9	9+0	9+1	9+2	9+3	9+4	9+5	9+6	9+7	9+8	9+9	9+10
10	10+0	10+1	10+2	10+3	10+4	10+5	10+6	10+7	10+8	10+9	10+10