

Mental Maths Activity Challenge

Numbers 100 and beyond

Here are some mental maths activities for you to try. The activities are in sets - do one each day. No need to write these - just say them out loud. When Stage 1 is completed proceed to Stage 2 and so on. Each stage challenges your child further.

Stage 1

1.

- Counting forwards: start at 992 & count up to 1,012
- Name the number that comes after: 735 ; 899 ; 5,000

- Counting forwards: start at 9,996 & count up to 10,015
- Name the number that comes after: 4,000 ; 999 ; 9,999

- Counting forwards: start at 19,991 & count up to 20,010
- Name the number that comes after: 15,329 ; 20,409 ; 22,569

2.

- Counting backwards: start at 1,000 & count back to 989
- Name the number that comes before: 730 ; 600 ; 854

- Counting backwards: start at 8,011 & count back to 7,996
- Name the number that comes before: 2,500 ; 7,615 ; 8,790

- Counting backwards: start at 17,456 & count back to 17,441
- Name the number that comes before: 18,374 ; 19,892 ; 20,674

3.

- Skip Counting: count in 3s from 30 to 60
- Can you do the same backwards?

- Skip Counting: count in 4s from 40 to 80
- Can you do the same backwards?

- Skip Counting: count in 9 s from 54 to 108
- Can you do the same backwards?

4.

- Mental Addition: Try these in your head

$227 + 153$

$689 + 121$

$334 + 116$

$722 + 318$

- Mental Addition: Try these in your head

$\text{Double } 20 \text{ plus } 15$

$\text{Double } 35 \text{ plus } 20$

$\text{Double } 25 \text{ plus } 45$

$\text{Double } 40 \text{ plus } 20$

- Mental Addition: Try these in your head

$\text{Double } 45$

$\text{Double } 50$

$\text{Double } 24$

$\text{Double } 32$

5.

- Mental Subtraction: Try these in your head

$437 - 30$

$589 - 100$

$767 - 50$

$1,242 - 200$

- Mental Subtraction: Try these in your head

$\text{Double } 15 \text{ \& take away } 5$

$\text{Double } 11 \text{ \& take away } 7$

$\text{Double } 12 \text{ \& take away } 6$

$\text{Double } 14 \text{ \& take away } 9$

- Mental Subtraction: Try these in your head

$100 - 50$

$100 - 70$

$100 - 80$

$100 - 90$

Stage 2

1.

- Counting forwards: start at 1,992 & count up to 2,012

- Name the number that comes after: 956 ; 989 ; 1,699

- Counting forwards: start at 11,996 & count up to 12,015

- Name the number that comes after: 8,000 ; 1,999 ; 19,999

- Counting forwards: start at 39,991 & count up to 40,010
- Name the number that comes after: 25,479 ; 25,699 ; 27,789

2.

- Counting backwards: start at 1,100 & count back to 1,089
- Name the number that comes before: 920 ; 810 ; 1,054

- Counting backwards: start at 9,071 & count back to 9,056
- Name the number that comes before: 4,600 ; 9,823 ; 6,980

- Counting backwards: start at 19,465 & count back to 19,451
- Name the number that comes before: 20,437 ; 21,981 ; 27,534

3.

- Skip Counting: count in 6s from 60 to 120
- Can you do the same backwards?

- Skip Counting: count in 8s from 80 to 160
- Can you do the same backwards?

- Skip Counting: count in 7s from 70 to 140
- Can you do the same backwards?

4.

- Mental Addition: Try these in your head

$571 + 319$	$477 + 213$
$456 + 214$	$875 + 125$

- Mental Addition: Try these in your head

Double 50 plus 25	Double 45 plus 20
Double 24 plus 42	Double 32 plus 26

- Mental Addition: Try these in your head

Double 55	Double 60
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Double 44 Double 70

5.

- Mental Subtraction: Try these in your head

$$677 - 37$$

$$589 - 109$$

$$767 - 57$$

$$1,242 - 202$$

- Mental Subtraction: Try these in your head

Double 25 & take away 5

Double 16 & take away 7

Double 17 & take away 6

Double 18 & take away 9

- Mental Subtraction: Try these in your head

$$1000 - 50$$

$$1000 - 70$$

$$1000 - 80$$

$$1000 - 90$$

Stage 3

1.

- Counting forwards: start at 3,995 & count up to 4,018
- Name the number that comes after: 967 ; 999 ; 1,969

- Counting forwards: start at 13,998 & count up to 14,017
- Name the number that comes after: 10,000 ; 3,999 ; 29,999

- Counting forwards: start at 41,996 & count up to 42,015
- Name the number that comes after: 27,947 ; 29,996 ; 29,999

2.

- Counting backwards: start at 1,500 & count back to 1,489
- Name the number that comes before: 979 ; 860 ; 1,265

- Counting backwards: start at 9,098 & count back to 9,081

- Name the number that comes before: 6,700 ; 8,923 ; 10,980
- Counting backwards: start at 19,645 & count back to 19,628
- Name the number that comes before: 22,473 ; 25,190 ; 29,456

3.

- Skip Counting: count in 2s from 120 to 140
- Can you do the same backwards?

- Skip Counting: count in 10s from 200 to 300
- Can you do the same backwards?

- Skip Counting: count in 5s from 300 to 400
- Can you do the same backwards?

4.

- Mental Addition: Try these in your head

$752 + 137$	$747 + 123$
$546 + 124$	$785 + 215$

- Mental Addition: Try these in your head

Double 55 plus 40	Double 60 plus 30
Double 44 plus 32	Double 70 plus 30

- Mental Addition: Try these in your head

Double 80	Double 85
Double 90	Double 95

5.

- Mental Subtraction: Try these in your head

$760 - 137$	$858 - 109$
$776 - 58$	$2,441 - 400$

- Mental Subtraction: Try these in your head

Double 20 & take away 5	Double 22 & take away 8
Double 24 & take away 9	Double 25 & take away 7

- Mental Subtraction: Try these in your head

1000- 500	1000 - 700
1000 - 800	1000 - 900

Stage 4

1.

- Counting forwards: start at 5,998 & count up to 6,020
- Name the number that comes after: 1, 967 ; 4,999 ; 6,996

- Counting forwards: start at 15,991 & count up to 16,011
- Name the number that comes after: 12,000 ; 7, 999 ; 31,999

- Counting forwards: start at 45,991 & count up to 46,012
- Name the number that comes after: 29,987 ; 31,699 ; 33,999

2.

- Counting backwards: start at 2,200 & count back to 2, 189
- Name the number that comes before: 1,997 ; 1,860 ; 2,256

- Counting backwards: start at 11,098 & count back to 11,079
- Name the number that comes before: 8,300 ; 10, 932 ; 12,890

- Counting backwards: start at 121,465 & count back to 21,468
- Name the number that comes before: 23,477 ; 27,280 ; 31,678

3.

- Skip Counting: count in 3s from 60 to 120
- Can you do the same backwards?

- Skip Counting: count in 4s from 80 to 120
- Can you do the same backwards?

- Skip Counting: count in 9s from 108 to 162

- Can you do the same backwards?

4.

- Mental Addition: Try these in your head

$$\begin{array}{ll} 871 + 311 & 827 + 243 \\ 644 + 276 & 875 + 265 \end{array}$$

- Mental Addition: Try these in your head

$$\begin{array}{ll} \text{Double 80 plus 50} & \text{Double 85 plus 20} \\ \text{Double 90 plus 40} & \text{Double 95 plus 30} \end{array}$$

- Mental Addition: Try these in your head

$$\begin{array}{ll} \text{Double 100} & \text{Double 105} \\ \text{Double 120} & \text{Double 112} \end{array}$$

5.

- Mental Subtraction: Try these in your head

$$\begin{array}{ll} 876 - 137 & 968 - 109 \\ 889 - 58 & 3,642 - 630 \end{array}$$

- Mental Subtraction: Try these in your head

$$\begin{array}{ll} \text{Double 26 \& take away 5} & \text{Double 28 \& take away 8} \\ \text{Double 27 \& take away 9} & \text{Double 29 \& take away 7} \end{array}$$

- Mental Subtraction: Try these in your head

$$\begin{array}{ll} 1000 - 550 & 1000 - 710 \\ 1000 - 820 & 1000 - 940 \end{array}$$

