

# Year 2 Number Challenge

In the Autumn Term, Year 2 children will complete their number challenge. This is a revision of the Year 1 challenge and is designed to help children recall mental number facts quickly and confidently.

This booklet contains different examples of how the challenge is presented.

**This challenge takes place every TUESDAY morning!**

## Step 1

Recalling addition and subtraction number bonds to 10.

$$9 + \underline{\quad\quad\quad} = 10$$

$$10 - \underline{\quad\quad\quad} = 6$$

$$10 + \underline{\quad\quad\quad} = 10$$

$$10 - \underline{\quad\quad\quad} = 9$$

$$8 + \underline{\quad\quad\quad} = 10$$

$$10 - \underline{\quad\quad\quad} = 8$$

$$7 + \underline{\quad\quad\quad} = 10$$

$$4 + \underline{\quad\quad\quad} = 10$$

$$10 - \underline{\quad\quad\quad} = 1$$

$$10 - \underline{\quad\quad\quad} = 5$$

## Step 2

Recalling addition and subtraction number bonds to 20.

$$20 - \underline{\quad\quad\quad} = 15$$

$$8 + \underline{\quad\quad\quad} = 20$$

$$20 - \underline{\quad\quad\quad} = 4$$

$$0 + \underline{\quad\quad\quad} = 20$$

$$20 - \underline{\quad\quad\quad} = 9$$

$$7 + \underline{\quad\quad\quad} = 20$$

$$20 - \underline{\quad\quad\quad} = 13$$

$$20 - \underline{\quad\quad\quad} = 12$$

$$9 + \underline{\quad\quad\quad} = 20$$

$$5 + \underline{\quad\quad\quad} = 20$$

**Step 3**

Doubles to 10.

Double 4 =

Double 3 =

Double 1 =

Double 5 =

Double 7 =

Double 8 =

Double 6 =

Double 9 =

Double 2 =

Double 10 =

**Step 4**

Doubles to 20.

Double 14 =

Double 11 =

Double 8 =

Double 12 =

Double 9 =

Double 6 =

Double 7 =

Double 20 =

Double 13 =

Double 7 =

**Step 5**

Halving to 30

Half of 22 =

Half of 12 =

Half of 28 =

Half of 10 =

Half of 26 =

Half of 8 =

Half of 6 =

Half of 40 =

Half of 24 =

Half of 20 =

**Step 6**

Adding tens to any number.

 $32 + 30 = \underline{\hspace{2cm}}$  $68 + 20 = \underline{\hspace{2cm}}$  $23 + 60 = \underline{\hspace{2cm}}$  $54 + 40 = \underline{\hspace{2cm}}$  $72 + 20 = \underline{\hspace{2cm}}$  $15 + 80 = \underline{\hspace{2cm}}$  $46 + 30 = \underline{\hspace{2cm}}$  $87 + 10 = \underline{\hspace{2cm}}$  $36 + 50 = \underline{\hspace{2cm}}$  $51 + 30 = \underline{\hspace{2cm}}$

**Step 7**

Taking 10 from any number.

$92 - 60 = \underline{\hspace{2cm}}$

$76 - 50 = \underline{\hspace{2cm}}$

$51 - 20 = \underline{\hspace{2cm}}$

$26 - 10 = \underline{\hspace{2cm}}$

$97 - 70 = \underline{\hspace{2cm}}$

$34 - 20 = \underline{\hspace{2cm}}$

$89 - 60 = \underline{\hspace{2cm}}$

$63 - 40 = \underline{\hspace{2cm}}$

$44 - 30 = \underline{\hspace{2cm}}$

$72 - 40 = \underline{\hspace{2cm}}$

**Step 8**

Adding three one digit numbers

$3 + 2 + 7 = \underline{\hspace{2cm}}$

$6 + 4 + 1 = \underline{\hspace{2cm}}$

$8 + 3 + 2 = \underline{\hspace{2cm}}$

$9 + 1 + 2 = \underline{\hspace{2cm}}$

$5 + 2 + 5 = \underline{\hspace{2cm}}$

$4 + 7 + 6 = \underline{\hspace{2cm}}$

$5 + 7 + 3 = \underline{\hspace{2cm}}$

$1 + 3 + 9 = \underline{\hspace{2cm}}$

$2 + 2 + 8 = \underline{\hspace{2cm}}$

$4 + 4 + 6 = \underline{\hspace{2cm}}$

**Step 9**

Counting in 2s, 5s or 10s.

$2, 4, 6, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

$5, 10, 15, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

$0, 10, 20, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

$12, 14, 16, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

$20, 25, 30, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

$0, 2, 6, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

$0, 5, 10, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

$16, 18, 20, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

$40, 50, 60, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

$30, 35, 40, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

**Step 10**

This involves completing questions from all the previous step to consolidate understanding of all the concepts.

$10 + \underline{\hspace{1cm}} = 10$

$10 - \underline{\hspace{1cm}} = 8$

$3 + \underline{\hspace{1cm}} = 20$

$20 - \underline{\hspace{1cm}} = 16$

$45 + 30 =$

$82 - 40 =$

$\text{Double } 12 = \underline{\hspace{1cm}}$

$\text{Half of } 20 =$

$4 + 6 + 8 =$

$0, 2, 4, 6, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

## Year 2 Number Challenge Result Sheet

Here is an example of the result sheet which is kept in the back of the Reading Record.

When a level is passed, the Step will be ticked and you can start practicing the new step.

Year 2 Number Challenge			
Step	Child has completed the step and is ready to move on to the next step.	Step	Child has completed the step and is ready to move on to the next step.
1		6	
2		7	
3		8	
4		9	
5		10	