

# Addition

## *Book 2*

—— Grades 2/3 ——

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# Addition Facts for 2,3,4,5

## Memorize These Addition Facts

$$\begin{aligned} 2 &= 0 + 2 \\ &= 1 + 1 \end{aligned}$$

$$\begin{aligned} 3 &= 0 + 3 \\ &= 1 + 2 \end{aligned}$$

$$\begin{aligned} 4 &= 0 + 4 \\ &= 1 + 3 \\ &= 2 + 2 \end{aligned}$$

$$\begin{aligned} 5 &= 0 + 5 \\ &= 1 + 4 \\ &= 2 + 3 \end{aligned}$$

## Write The Answers

$$\begin{array}{r} 0 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +3 \\ \hline \end{array}$$

$$\begin{aligned} 0 + 2 &= \underline{\quad} \\ 1 + 1 &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 0 + 3 &= \underline{\quad} \\ 1 + 2 &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 0 + 4 &= \underline{\quad} \\ 1 + 3 &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 2 + 2 &= \underline{\quad} \\ 0 + 5 &= \underline{\quad} \end{aligned}$$

$$\begin{aligned} 1 + 4 &= \underline{\quad} \\ 2 + 3 &= \underline{\quad} \end{aligned}$$

## Solve

$$0 + \underline{\quad} = 2$$

$$0 + \underline{\quad} = 5$$

$$1 + \underline{\quad} = 4$$

$$2 + \underline{\quad} = 4$$

$$3 + \underline{\quad} = 5$$

$$4 + \underline{\quad} = 5$$

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

$$3 + \underline{\quad} = 4$$

$$2 + \underline{\quad} = 3$$



# Addition Facts for 2,3,4,5

## Exercise One

(a)	$\begin{array}{r} 2 \\ 0 \\ \hline +1 \end{array}$	(b)	$\begin{array}{r} 2 \\ 1 \\ \hline +1 \end{array}$	(c)	$\begin{array}{r} 1 \\ 1 \\ \hline +1 \end{array}$	(d)	$\begin{array}{r} 2 \\ 1 \\ \hline +2 \end{array}$	(e)	$\begin{array}{r} 3 \\ 0 \\ \hline +2 \end{array}$	(f)	$\begin{array}{r} 1 \\ 3 \\ \hline +1 \end{array}$	(g)	$\begin{array}{r} 2 \\ 0 \\ \hline +2 \end{array}$
-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--

(h)  $2 + 1 + 0 = \underline{\quad}$     (i)  $1 + 1 + 2 = \underline{\quad}$     (j)  $2 + 0 + 3 = \underline{\quad}$   
(k)  $1 + 3 + 1 = \underline{\quad}$     (l)  $2 + 1 + 2 = \underline{\quad}$     (m)  $1 + 0 + 1 = \underline{\quad}$   
(n)  $1 + 0 + 4 = \underline{\quad}$     (o)  $3 + 1 + 0 = \underline{\quad}$     (p)  $0 + 2 + 2 = \underline{\quad}$

## Exercise Two

(a)	$\begin{array}{r} 1 \\ 2 \\ 1 \\ \hline +1 \end{array}$	(b)	$\begin{array}{r} 0 \\ 3 \\ 0 \\ \hline +1 \end{array}$	(c)	$\begin{array}{r} 1 \\ 3 \\ 0 \\ \hline +1 \end{array}$	(d)	$\begin{array}{r} 1 \\ 2 \\ 1 \\ \hline +1 \end{array}$	(e)	$\begin{array}{r} 1 \\ 0 \\ 1 \\ \hline +2 \end{array}$	(f)	$\begin{array}{r} 0 \\ 1 \\ 0 \\ \hline +4 \end{array}$	(g)	$\begin{array}{r} 1 \\ 0 \\ 0 \\ \hline +2 \end{array}$
-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	-----	---

(h)	$\begin{array}{r} 1 \\ 2 \\ 0 \\ \hline +2 \end{array}$	(i)	$\begin{array}{r} 3 \\ 0 \\ 1 \\ \hline +1 \end{array}$	(j)	$\begin{array}{r} 2 \\ 0 \\ 0 \\ \hline +3 \end{array}$	(k)	$\begin{array}{r} 0 \\ 1 \\ 2 \\ \hline +1 \end{array}$	(l)	$\begin{array}{r} 0 \\ 1 \\ 0 \\ \hline +2 \end{array}$	(m)	$\begin{array}{r} 3 \\ 0 \\ 0 \\ \hline +1 \end{array}$	(n)	$\begin{array}{r} 1 \\ 0 \\ 1 \\ \hline +0 \end{array}$
-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	-----	---

(o)  $2 + 1 + 0 + 1 = \underline{\quad}$

(p)  $1 + 0 + 2 + 2 = \underline{\quad}$

(q)  $2 + 0 + 3 + 0 = \underline{\quad}$

(r)  $2 + 0 + 2 + 0 = \underline{\quad}$

(s)  $1 + 1 + 3 + 0 = \underline{\quad}$

(t)  $1 + 1 + 1 + 2 = \underline{\quad}$



# Addition Facts for 2,3,4,5

## Patterning

Look at the questions and answers that are given in the examples below and notice the pattern in the questions and in the answers.

0	10	20	30	40	50	60	70	80	90
<u>+2</u>	<u>+2</u>	<u>+2</u>	<u>+2</u>	<u>+2</u>	<u>+2</u>	<u>+2</u>	<u>+2</u>	<u>+2</u>	<u>+2</u>
<u>2</u>	<u>12</u>	<u>22</u>	<u>32</u>	<u>42</u>	<u>52</u>	<u>62</u>	<u>72</u>	<u>82</u>	<u>92</u>

$0 + 2 = \underline{2}$      $10 + 2 = \underline{12}$      $20 + 2 = \underline{22}$      $30 + 2 = \underline{32}$

## Exercise Three

(a)  $\begin{array}{r} 0 \\ +3 \\ \hline \end{array}$     (b)  $\begin{array}{r} 10 \\ +3 \\ \hline \end{array}$     (c)  $\begin{array}{r} 20 \\ +3 \\ \hline \end{array}$     (d)  $\begin{array}{r} 0 \\ +4 \\ \hline \end{array}$     (e)  $\begin{array}{r} 10 \\ +4 \\ \hline \end{array}$     (f)  $\begin{array}{r} 20 \\ +4 \\ \hline \end{array}$

(g)  $0 + 5 = \underline{\quad}$     (h)  $10 + 5 = \underline{\quad}$     (i)  $20 + 5 = \underline{\quad}$

(j)  $0 + 1 = \underline{\quad}$     (k)  $10 + 1 = \underline{\quad}$     (l)  $20 + 1 = \underline{\quad}$

(m)  $\begin{array}{r} 40 \\ +3 \\ \hline \end{array}$     (n)  $\begin{array}{r} 60 \\ +5 \\ \hline \end{array}$     (o)  $\begin{array}{r} 50 \\ +4 \\ \hline \end{array}$     (p)  $\begin{array}{r} 90 \\ +1 \\ \hline \end{array}$     (q)  $\begin{array}{r} 70 \\ +3 \\ \hline \end{array}$     (r)  $\begin{array}{r} 90 \\ +2 \\ \hline \end{array}$

(s)  $\begin{array}{r} 60 \\ +2 \\ \hline \end{array}$     (t)  $\begin{array}{r} 80 \\ +3 \\ \hline \end{array}$     (u)  $\begin{array}{r} 50 \\ +1 \\ \hline \end{array}$     (v)  $\begin{array}{r} 70 \\ +5 \\ \hline \end{array}$     (w)  $\begin{array}{r} 50 \\ +2 \\ \hline \end{array}$     (x)  $\begin{array}{r} 70 \\ +1 \\ \hline \end{array}$

(y)  $90 + 4 = \underline{\quad}$     (z)  $30 + 5 = \underline{\quad}$



# Addition Facts for 2,3,4,5

## More Patterning

Look at the questions and answers that are given in the examples below and notice the pattern in the questions and in the answers.

$$\begin{array}{r} 1 \quad 11 \quad 21 \\ +1 \quad +1 \quad +1 \\ \hline 2 \quad 12 \quad 22 \end{array}$$

$$\begin{array}{r} 2 \quad 12 \quad 22 \\ +1 \quad +1 \quad +1 \\ \hline 3 \quad 13 \quad 23 \end{array}$$

$$\begin{array}{r} 3 \quad 13 \quad 23 \\ +2 \quad +2 \quad +2 \\ \hline 5 \quad 15 \quad 25 \end{array}$$

## Exercise Four

$$\begin{array}{r} \text{(a)} \quad 31 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(b)} \quad 41 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(c)} \quad 51 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(d)} \quad 32 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(e)} \quad 42 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(f)} \quad 52 \\ +1 \\ \hline \end{array}$$

$$\text{(g)} \quad 4 + 1 = \underline{\quad}$$

$$\text{(h)} \quad 14 + 1 = \underline{\quad}$$

$$\text{(i)} \quad 24 + 1 = \underline{\quad}$$

$$\text{(j)} \quad 3 + 1 = \underline{\quad}$$

$$\text{(k)} \quad 13 + 1 = \underline{\quad}$$

$$\text{(l)} \quad 23 + 1 = \underline{\quad}$$

$$\begin{array}{r} \text{(m)} \quad 61 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(n)} \quad 52 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(o)} \quad 71 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(p)} \quad 93 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(q)} \quad 74 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(r)} \quad 91 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(s)} \quad 75 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(t)} \quad 82 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(u)} \quad 54 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(v)} \quad 83 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(w)} \quad 62 \\ +1 \\ \hline \end{array}$$

$$\begin{array}{r} \text{(x)} \quad 73 \\ +1 \\ \hline \end{array}$$

$$\text{(y)} \quad 92 + 3 = \underline{\quad}$$

$$\text{(z)} \quad 33 + 1 = \underline{\quad}$$

