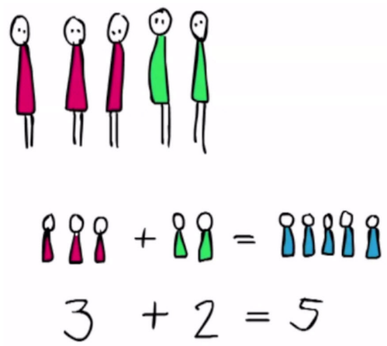
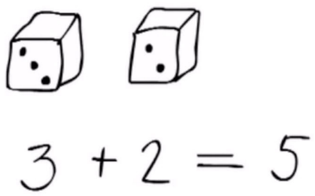


Bekijk eerst op www.sommenfabriek.nl de uitleg-video:

Optellen 1a - optellen onder het tiental



2 + 3 = **5** twee plus drie is vijf

1 + 1 =

2 + 1 =

2 + 4 =

4 + 1 =

5 + 3 =

3 + 5 =

7 + 2 =

1 + 8 =

4 + 4 =

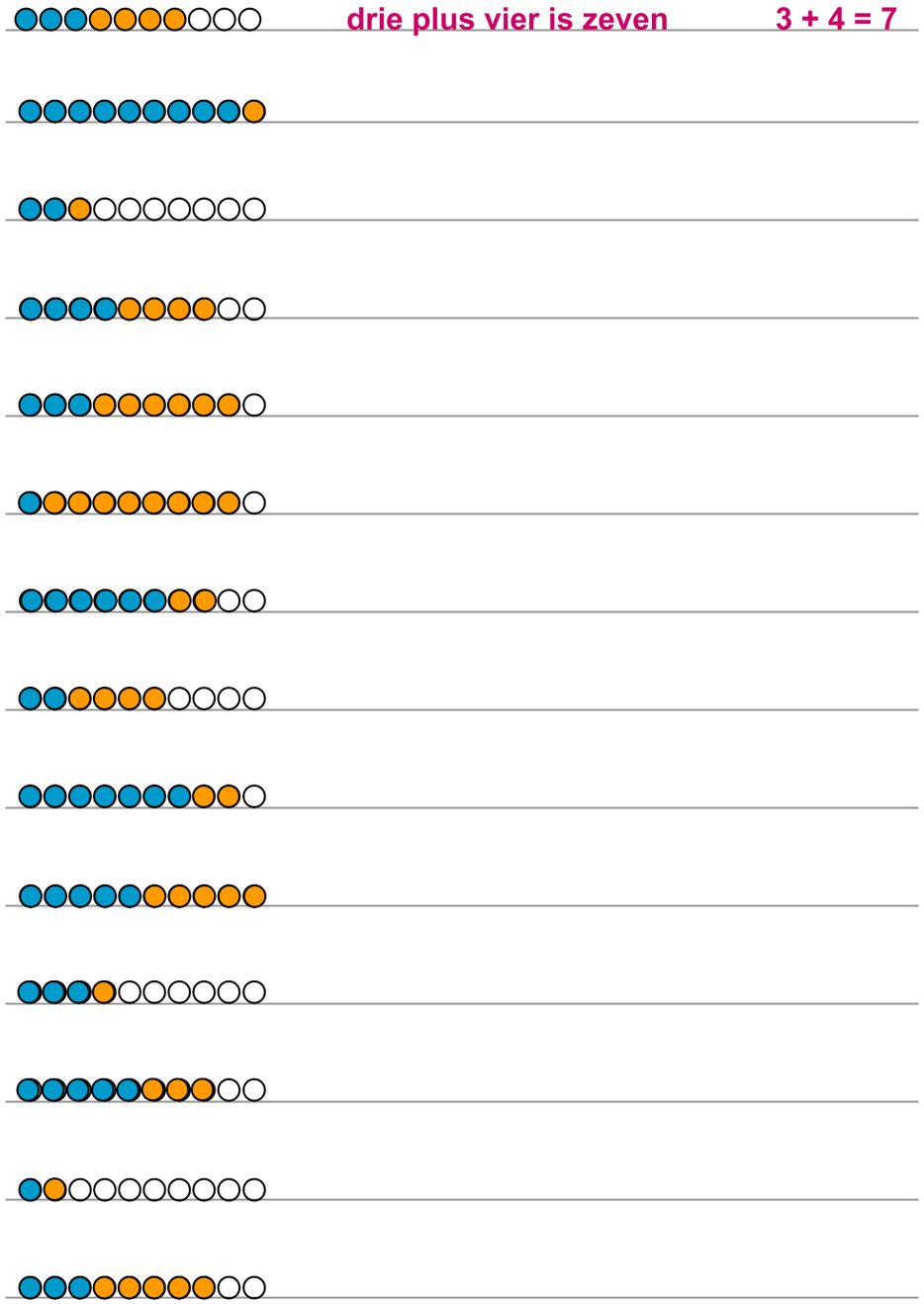
5 + 5 =

6 + 3 =

3 + 6 =

9 + 1 =

1 Optellen onder het tiental, wat is optellen



drie plus vier is zeven 3 + 4 = 7

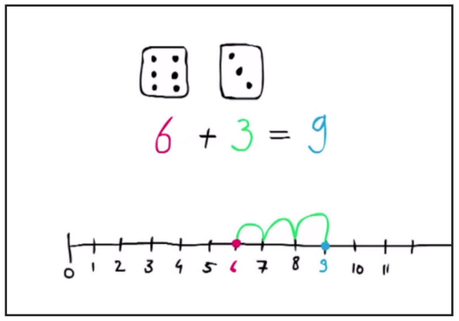
2 Optellen onder het tiental, notatie en uitspraak

3 + 5 = 8	①②③④⑤⑥⑦⑧⑨⑩	7 + 2 =	①②③④⑤⑥⑦⑧⑨⑩
2 + 4 =	①②③④⑤⑥⑦⑧⑨⑩	6 + 3 =	①②③④⑤⑥⑦⑧⑨⑩
4 + 2 =	①②③④⑤⑥⑦⑧⑨⑩	2 + 1 =	①②③④⑤⑥⑦⑧⑨⑩
5 + 3 =	①②③④⑤⑥⑦⑧⑨⑩	4 + 4 =	①②③④⑤⑥⑦⑧⑨⑩
3 + 1 =	①②③④⑤⑥⑦⑧⑨⑩	4 + 1 =	①②③④⑤⑥⑦⑧⑨⑩
2 + 3 =	①②③④⑤⑥⑦⑧⑨⑩	5 + 3 =	①②③④⑤⑥⑦⑧⑨⑩
3 + 3 =	①②③④⑤⑥⑦⑧⑨⑩	3 + 5 =	①②③④⑤⑥⑦⑧⑨⑩
4 + 6 =	①②③④⑤⑥⑦⑧⑨⑩	7 + 2 =	①②③④⑤⑥⑦⑧⑨⑩
5 + 5 =	①②③④⑤⑥⑦⑧⑨⑩	1 + 8 =	①②③④⑤⑥⑦⑧⑨⑩
2 + 7 =	①②③④⑤⑥⑦⑧⑨⑩	4 + 4 =	①②③④⑤⑥⑦⑧⑨⑩
7 + 3 =	①②③④⑤⑥⑦⑧⑨⑩	4 + 6 =	①②③④⑤⑥⑦⑧⑨⑩
8 + 1 =	①②③④⑤⑥⑦⑧⑨⑩	3 + 3 =	①②③④⑤⑥⑦⑧⑨⑩
9 + 1 =	①②③④⑤⑥⑦⑧⑨⑩	3 + 0 =	①②③④⑤⑥⑦⑧⑨⑩
5 + 1 =	①②③④⑤⑥⑦⑧⑨⑩	1 + 7 =	①②③④⑤⑥⑦⑧⑨⑩

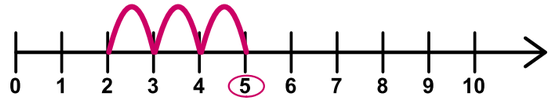
3 Optellen onder het tiental, doortellen

Bekijk eerst op www.sommenfabriek.nl de uitleg-video:

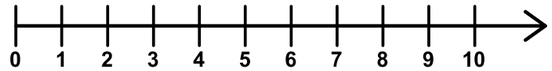
Optellen 1b - optellen onder het tiental



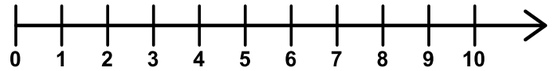
2 + 3 = 5



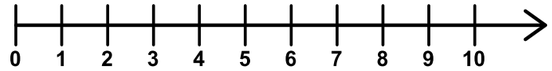
5 + 3 =



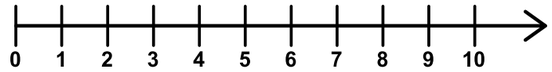
1 + 6 =



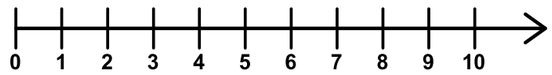
6 + 1 =



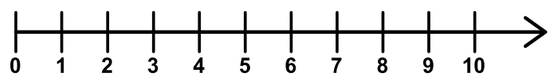
4 + 6 =



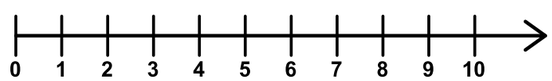
5 + 4 =



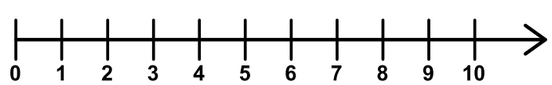
4 + 0 =



0 + 5 =



4 + 5 =



3 + 3 = 6	3 + 3 =	4 + 1 =	1 + 4 =	2 + 3 =
2 + 1 =	2 + 2 =	3 + 3 =	4 + 1 =	4 + 1 =
1 + 4 =	1 + 3 =	2 + 1 =	4 + 4 =	2 + 2 =
3 + 5 =	2 + 2 =	3 + 2 =	1 + 3 =	2 + 5 =
3 + 1 =	1 + 1 =	4 + 5 =	1 + 2 =	4 + 3 =

3 + 2 =	1 + 3 =	1 + 1 =	4 + 3 =	3 + 4 =
4 + 5 =	4 + 2 =	2 + 5 =	4 + 2 =	1 + 1 =
3 + 1 =	4 + 4 =	4 + 3 =	2 + 1 =	3 + 5 =
1 + 5 =	4 + 5 =	1 + 2 =	3 + 5 =	3 + 5 =
3 + 4 =	2 + 1 =	2 + 3 =	2 + 4 =	4 + 3 =

3 + 2 =	4 + 1 =	3 + 1 =	2 + 5 =	1 + 4 =
3 + 4 =	3 + 3 =	3 + 5 =	1 + 5 =	2 + 2 =
2 + 1 =	1 + 1 =	3 + 2 =	1 + 2 =	2 + 3 =
2 + 3 =	4 + 3 =	3 + 1 =	1 + 4 =	1 + 5 =
4 + 1 =	1 + 3 =	4 + 2 =	3 + 3 =	3 + 2 =

1 + 5 =	2 + 3 =	3 + 4 =	1 + 5 =	4 + 5 =
2 + 4 =	2 + 2 =	1 + 1 =	1 + 4 =	4 + 4 =
3 + 4 =	2 + 4 =	3 + 1 =	2 + 4 =	4 + 4 =
4 + 2 =	4 + 2 =	1 + 3 =	2 + 5 =	2 + 4 =
1 + 2 =	4 + 4 =	1 + 2 =	4 + 5 =	2 + 5 =

5A Optellen onder het tiental

2 + 5 =	2 + 2 =	4 + 1 =	4 + 5 =	1 + 5 =
2 + 3 =	1 + 5 =	3 + 2 =	4 + 1 =	1 + 2 =
4 + 2 =	1 + 4 =	2 + 4 =	3 + 3 =	4 + 2 =
4 + 3 =	1 + 3 =	3 + 1 =	1 + 5 =	1 + 1 =
1 + 1 =	3 + 1 =	3 + 4 =	4 + 1 =	3 + 2 =

2 + 1 =	4 + 3 =	1 + 4 =	2 + 1 =	3 + 5 =
2 + 3 =	1 + 3 =	1 + 3 =	4 + 3 =	2 + 3 =
4 + 2 =	1 + 3 =	3 + 4 =	2 + 2 =	1 + 2 =
2 + 2 =	4 + 5 =	1 + 1 =	4 + 5 =	1 + 5 =
3 + 2 =	4 + 4 =	3 + 5 =	4 + 2 =	3 + 5 =

1 + 4 =	2 + 3 =	1 + 1 =	4 + 5 =	1 + 4 =
3 + 3 =	2 + 4 =	4 + 4 =	2 + 5 =	3 + 4 =
3 + 5 =	2 + 3 =	2 + 1 =	4 + 4 =	1 + 4 =
4 + 5 =	3 + 4 =	2 + 2 =	3 + 2 =	3 + 4 =
4 + 2 =	3 + 3 =	1 + 2 =	2 + 4 =	2 + 1 =

1 + 3 =	3 + 1 =	3 + 1 =	2 + 5 =	2 + 5 =
4 + 3 =	3 + 1 =	4 + 4 =	1 + 5 =	2 + 4 =
3 + 2 =	4 + 3 =	1 + 2 =	1 + 2 =	4 + 1 =
2 + 1 =	4 + 1 =	2 + 5 =	3 + 3 =	4 + 4 =
3 + 5 =	3 + 3 =	2 + 2 =	1 + 1 =	2 + 4 =

5B Optellen onder het tiental

6 + 3 + 4 = 13

9 + 7 + 1 = 17

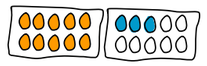
Bekijk eerst op www.sommenfabriek.nl de uitleg-video's:

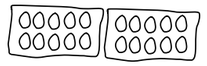
Optellen 2a - optellen over het tiental

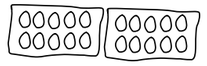
8 + 2 + 6 = 16

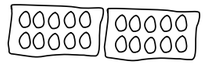
5 + 1 + 5 = 11

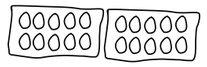
2 + 6 + 4 = 12

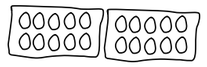
6 + 3 + 4 = 13 

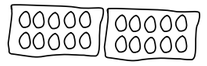
7 + 3 + 4 = 

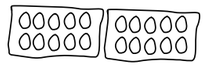
8 + 5 + 2 = 

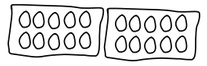
1 + 6 + 4 = 

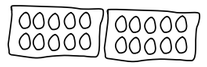
3 + 6 + 7 = 

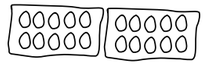
1 + 9 + 2 = 

5 + 5 + 1 = 

7 + 6 + 4 = 

3 + 6 + 7 = 

2 + 7 + 8 = 

7 + 4 + 6 = 

2 + 4 + 8 = 14

1 + 9 + 8 =

7 + 2 + 8 =

6 + 3 + 7=

4 + 5 + 6 =

6 + 5 + 5 =

6 + 5 + 4=

7 + 4 + 3 =

8 + 2 + 8 =

9 + 2 + 1 =

7 + 4 + 3 =

1 + ..9.. = 10

2 + ... = 10

3 + ... = 10

4 + ... = 10

5 + ... = 10

6 + ... = 10

7 + ... = 10

8 + ... = 10

9 + ... = 10

4 + ... = 10

2 + ... = 10

6 + ... = 10

3 + ... = 10

7 + ... = 10

9 + ... = 10

8 + ... = 10

2 + ... = 10

4 + ... = 10

5 + ... = 10

7 + ... = 10

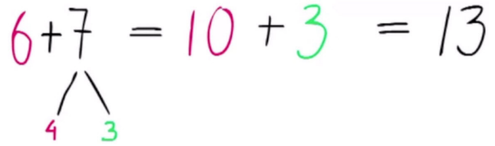
2 + ... = 10

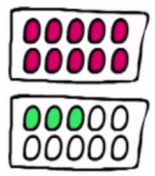
6 + ... = 10

6 Optellen over het tiental, eierdozen van 10 opvullen

Bekijk eerst op www.sommenfabriek.nl de uitleg-video's:

Optellen 2b - optellen over het tiental





4 + 8 = **10** + 2 = 12
6 2

5 + 7 =

4 + 9 =

2 + 9 =

7 + 5 =

8 + 8 =

6 + 6 =

7 + 6 =

4 + 8 = 12
6 2

3 + 9 =

8 + 7 =

9 + 5 =

4 + 8 =

6 + 7 =

8 + 8 =

2 + 9 =

9 + 4 =

8 + 6 =

4 + 7 =

3 + 9 =

9 + 7 =

7 + 5 =

3 + 9 =

6 + 6 =

5 + 8 =

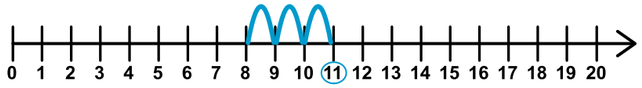
9 + 8 =

8 + 5 =

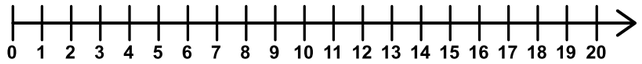
3 + 8 =

7 Optellen over het tiental, het tweede getal splitsen

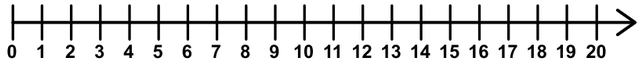
8 + 3 = 11



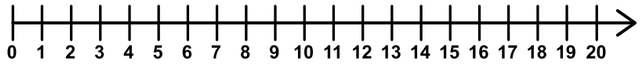
7 + 6 =



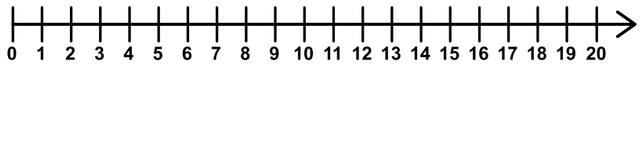
3 + 9 =



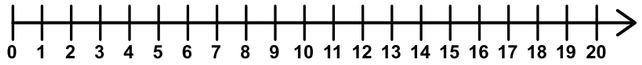
6 + 8 =



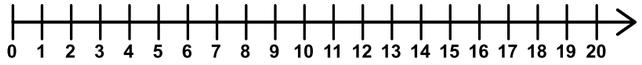
9 + 5 =



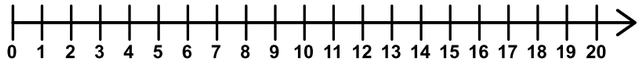
8 + 7 =



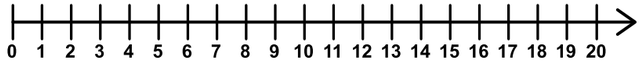
7 + 4 =



6 + 6=



8 + 9 =



8 Optellen over het tiental, getallenlijn

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

9 Optellen over het tiental

Leer deze eenvoudigste basis-optellingen goed uit je hoofd.
Zeg ze elke dag hardop: “drie plus vier is zeven”, enz.

0 + 10 = 10 1 + 9 = 10 2 + 8 = 10 3 + 7 = 10 4 + 6 = 10 5 + 5 = 10	10 + 0 = 10 9 + 1 = 10 8 + 2 = 10 7 + 3 = 10 6 + 4 = 10 5 + 5 = 10	0 + 0 = 0 1 + 1 = 2 2 + 2 = 4 3 + 3 = 6 4 + 4 = 8 5 + 5 = 10 6 + 6 = 12 7 + 7 = 14 8 + 8 = 16 9 + 9 = 18 10 + 10 = 20	1 + 2 = 3 1 + 3 = 4 1 + 4 = 5 1 + 5 = 6 1 + 6 = 7 1 + 7 = 8 1 + 8 = 9	2 + 1 = 3 3 + 1 = 4 4 + 1 = 5 5 + 1 = 6 6 + 1 = 7 7 + 1 = 8 8 + 1 = 9	2 + 3 = 5 2 + 4 = 6 2 + 5 = 7 2 + 6 = 8 2 + 7 = 9	3 + 2 = 5 4 + 2 = 6 5 + 2 = 7 6 + 2 = 8 7 + 2 = 9
7 + 0 = 7 enz.	0 + 7 = 7 enz.				3 + 4 = 7 3 + 5 = 8 3 + 6 = 9	4 + 3 = 7 5 + 3 = 8 6 + 3 = 9
10 + 7 = 17 enz.	7 + 10 = 17 enz.				4 + 5 = 9	5 + 4 = 9

+	0	1	2	3	4	5	6	7	8	9	10
0	**0**	1	2	3	4	5	6	7	8	9	**10**
1	1	**2**	3	4	5	6	7	8	9	**10**	11
2	2	3	**4**	5	6	7	8	9	**10**		12
3	3	4	5	**6**	7	8	9	**10**			13
4	4	5	6	7	**8**	9	**10**				14
5	5	6	7	8	9	**10**					15
6	6	7	8	9	**10**		**12**				16
7	7	8	9	**10**				**14**			17
8	8	9	**10**						**16**		18
9	9	**10**								**18**	19
10	**10**	11	12	13	14	15	16	17	18	19	**20**

Maak deze basis-optellingen in maximaal 3 minuten en 30 seconden

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

10 De eenvoudigste basis-optellingen uit het hoofd leren

Leer deze iets moeilijker basis-optellingen goed uit je hoofd.
Zeg ze elke dag hardop: “vijf plus acht is dertien”, enz.

6 + 5 = 11	5 + 6 = 11	7 + 4 = 11	4 + 7 = 11	8 + 3 = 11	3 + 8 = 11	9 + 2 = 11	2 + 9 = 11
		7 + 5 = 12	5 + 7= 12	8 + 4 = 12	4 + 8 = 12	9 + 3 = 12	3 + 9 = 12
		7+ 6 = 13	6 + 7= 13	8+ 5 = 13	5 + 8 = 13	9 + 4 = 13	4 + 9 = 13
				8 + 6 = 14	6 + 8 = 14	9 + 5 = 14	5 + 9 = 14
				8 + 7 = 15	7 + 8 = 15	9 + 6 = 15	6 + 9 = 15
						9 + 7 = 16	7 + 9 = 16
						9 + 8 = 17	8 + 9 = 17

+	0	1	2	3	4	5	6	7	8	9	10
0											
1											
2										11	
3									11	12	
4								11	12	13	
5							11	12	13	14	
6						11		13	14	15	
7					11	12	13		15	16	
8				11	12	13	14	15		17	
9			11	12	13	14	15	16	17		
10											

Maak deze basis-optellingen in maximaal 3 minuten en 30 seconden

5 + 8 =	8 + 3 =	8 + 7 =	9 + 3 =	9 + 5 =
6 + 9 =	7 + 6 =	4 + 8 =	7 + 8 =	3 + 9 =
7 + 9 =	5 + 9 =	9 + 2 =	2 + 9 =	4 + 7 =
7 + 8 =	6 + 5 =	8 + 3 =	8 + 3 =	5 + 6 =
9 + 6 =	7 + 8 =	4 + 7 =	5 + 6 =	8 + 5 =

6 + 5 =	9 + 7 =	6 + 8 =	2 + 9 =	5 + 9 =
8 + 4 =	9 + 8 =	6 + 5 =	4 + 7 =	9 + 7 =
4 + 9 =	6 + 7 =	5 + 8 =	2 + 9 =	3 + 8 =
7 + 6 =	7 + 6 =	8 + 4 =	7 + 9 =	9 + 6 =
8 + 9 =	9 + 7 =	9 + 4 =	4 + 8 =	6 + 9 =

8 + 7 =	5 + 9 =	9 + 6 =	9 + 7 =	3 + 9 =
7 + 9 =	6 + 7 =	9 + 4 =	3 + 9 =	9 + 5 =
5 + 6 =	4 + 9 =	5 + 7 =	9 + 3 =	8 + 4 =
9 + 6 =	8 + 7 =	8 + 6 =	7 + 8 =	7 + 4 =
6 + 8 =	5 + 9 =	7 + 5 =	6 + 9 =	9 + 6 =

8 + 5 =	9 + 7 =	5 + 8 =	7 + 5 =	4 + 8 =
7 + 8 =	5 + 6 =	5 + 8 =	8 + 9 =	3 + 8 =
9 + 4 =	7 + 6 =	4 + 9 =	6 + 8 =	4 + 7 =
8 + 9 =	6 + 7 =	4 + 7 =	4 + 9 =	8 + 5 =
7 + 5 =	6 + 9 =	7 + 4 =	8 + 6 =	7 + 4 =

11 De moeilijker basis-optellingen uit het hoofd leren