Cryptography 101 One digit addition base 10 calculator-algebra.org

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2018

Example

Add the one-digit numbers.

$$\begin{array}{rrrrr}
 1+2 & = & 3 \\
 2+2 & = & 4 \\
 2+5 & = & 7 \\
 9+2 & = & 11 \\
 7+5 & = & 12 \\
 9+7 & = & 16 \\
 0+9 & = & 9 \\
 \end{array}$$

Example

Add the one-digit numbers.

$$1+3 = 4$$
 $4+7 = 11$
 $2+8 = 10$
 $9+8 = 17$
 $5+5 = 10$

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

• To do one-digit addition quickly: make table with all possibilities.

Example

Add the one-digit numbers.

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

 Addition can also be written in columns.