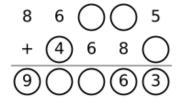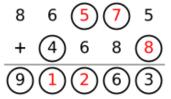# Summing Puzzles

Steven Clontz

December 21, 2021

In these puzzles, fill in the numbers 1-9 so that each sum is correct. Some of the digits have been filled in for you. There is one unique answer for each puzzle.

Example

Copyright

License

Puzzles

Easy

6	(1)	4	1	○		6	7	(2)	3	○
+	7	○	(3)	7		+	(6)	2	○	5
○	○	○	(5)	(4)		○	○	(5)	○	(9)

4	7	(3)	3	○		5	○	6	6	○
+	○	5	○	1		+	2	○	○	7
○	(6)	(8)	○	(2)		(5)	(7)	(2)	(9)	○

1	6	3	○	○		1	(8)	○	6	3
+	○	(5)	2	8		+	5	4	○	○
○	○	(8)	(6)	(9)		(2)	○	(6)	(5)	○

5	5	○	(7)	1		1	0	○	(9)	4
+	○	3	1	○		+	(5)	5	3	○
(6)	○	(2)	○	(4)		○	○	(3)	○	(8)

3

1 ◯ 7 ② 5
+ 1 ◯ 1 ◯
_____
① ◯ ◯ ④ ③

3 ④ 0 ◯ 4
+ 1 ◯ 4 ◯
_____
◯ ⑤ ⑨ ① ◯

8 8 4 ◯ ⑦
+ ⑥ ③ 8 8
_____
◯ ◯ ⑧ ◯ ◯

3 7 ⑤ 5 ◯
+ ◯ 8 ① 6
_____
◯ ◯ ◯ ⑥ ⑧

0 8 3 ③ ②
+ ◯ ⑤ 1 4
_____
◯ ◯ ⑧ ◯ ◯

5 ① ◯ 5 8
+ 7 1 ◯ ④
_____
◯ ◯ ⑦ ◯ ②

2 4 8 ◯ ◯
+ ◯ ① 1 8
_____
③ ◯ ⑨ ⑥ ◯

3 ◯ 8 7 ◯
+ 6 ⑤ ① 5
_____
◯ ◯ ③ ◯ ⑦

Medium

```
    8  ( )  1  (2)  2            1   8   6  ( ) ( )
  +  7  ( )  6  ( )            +  (8) ( )  1   7
  ─────────────────           ─────────────────
  ( ) (1) (7) ( ) ( )         ( ) (6) (9) ( ) ( )


    3   1   0  ( ) ( )          3   6   3  ( ) (5)
  +  ( ) (5)  8   4           +  ( ) (8)  3   8
  ─────────────────           ─────────────────
  (3) ( ) ( ) (7) ( )         ( ) (6) ( ) ( ) ( )


    2  (7)  8  (8)  2           2  ( ) (2)  4   3
  +  8  (5)  3  ( )            +  6   2  (7) ( )
  ─────────────────           ─────────────────
  ( ) ( ) ( ) ( ) ( )         ( ) ( ) ( ) ( ) (9)


    8  (3)  8   5  ( )          1  (3) ( )  1   9
  +  7  ( ) ( )  4            +  4   6  ( ) ( )
  ─────────────────           ─────────────────
  ( ) (1) (5) ( ) ( )         ( ) ( ) ( ) (4) (6)
```

```
  8  (7) ( )  3   7          2   8  (4) ( )  4
+ 6   4  ( ) ( )          + (8)  7   5  ( )
─────────────────         ─────────────────
( )( )( )(5)(3)           ( )(7)( )( )( )


  6  ( )( )  5   8          4  ( )  6   7  ( )
+ 4   4  ( )( )            + 3  (2) ( )  9
─────────────────         ─────────────────
(6)( )(2)( )(3)           ( )(8)( )(1)( )


  1   8   1  ( )(8)          8  ( )  7   8  ( )
+ ( )(9)  5   8           + 2  ( )( )  7
─────────────────         ─────────────────
( )( )(1)( )( )           (8)(9)( )( )(1)


  1  (2)  3  ( )  9          3  (4)  4  ( )  6
+ 5  (3)  0  ( )           + 5  ( )  8  (2)
─────────────────         ─────────────────
( )( )( )(9)( )           ( )( )(6)( )( )
```

1.
```
   3   6  (2)  3  ( )
+ ( )  6  ( )  6
-----------------------
( ) (5) ( ) ( ) (7)
```

2.
```
   6  ( ) (8)  8   8
+  6   2  ( ) ( )
-----------------------
(6) ( ) ( ) (3) ( )
```

3.
```
   7  ( ) ( )  5   4
+  2   4  (4) ( )
-----------------------
( ) (6) (2) ( ) ( )
```

4.
```
   2   2  ( )  6  ( )
+ (8)  8  ( )  2
-----------------------
( ) ( ) (4) ( ) (9)
```

5.
```
   5  (4)  3   5  ( )
+  8  ( ) ( )  6
-----------------------
( ) ( ) (9) ( ) (7)
```

6.
```
   4   8  (6) (7)  4
+ ( )  8   0  ( )
-----------------------
( ) ( ) (4) ( ) ( )
```

7.
```
   4   6  ( )  7  ( )
+ (1)  6  (5)  4
-----------------------
( ) ( ) (6) ( ) ( )
```

8.
```
   8   1  ( )  8  ( )
+ ( )  3  ( )  4
-----------------------
(8) (2) (9) ( ) ( )
```

Hard

Problem 1:
```
  3   6  (9) ( )  5
+     ( )  5   2  ( )
----------------------
( ) (3) ( ) ( ) ( )
```

Problem 2:
```
  1  ( )  9  ( )  5
+     6  (4)  1  ( )
----------------------
( ) ( ) (3) ( ) ( )
```

Problem 3:
```
  3   2   7  (9) ( )
+    ( ) ( )  7   3
----------------------
( ) (5) ( ) ( ) ( )
```

Problem 4:
```
  3   4   1  ( ) ( )
+    (8) ( )  7   9
----------------------
( ) ( ) (3) ( ) ( )
```

Problem 5:
```
  6   4   0  ( ) (8)
+    ( ) ( )  6   9
----------------------
( ) ( ) ( ) ( ) (7)
```

Problem 6:
```
  5   5   2  ( ) ( )
+    (9) ( )  3   9
----------------------
( ) (4) ( ) ( ) ( )
```

Problem 7:
```
  1   7  ( ) ( )  1
+    (4)  5   7  ( )
----------------------
( ) (1) ( ) ( ) ( )
```

Problem 8:
```
  8   2   1  (4) ( )
+    ( ) (3)  7   4
----------------------
( ) ( ) ( ) ( ) ( )
```

1.

```
  8  ( ) 6  2  ( )
+    2  ( ) (3) 6
-------------------
( )( )( )( )(5)
```

2.

```
  1  7  ( ) ( ) 4
+    (8) 8  2  ( )
-------------------
( )( )(5)( )( )
```

3.

```
  5  5  (9) ( ) 2
+    ( ) 8  3  ( )
-------------------
( )( )(7)( )( )
```

4.

```
  4  ( ) 2  (1) 9
+    6  (7) 6  ( )
-------------------
( )( )( )( )( )
```

5.

```
  4  ( ) ( ) 3  3
+    4  4  ( ) ( )
-------------------
( )( )(6)( )(8)
```

6.

```
  7  5  ( ) ( ) 7
+    ( ) 1  1  ( )
-------------------
(8)( )(2)( )( )
```

7.

```
  4  2  ( ) 4  ( )
+    ( ) 6  ( ) 5
-------------------
( )(1)( )(6)( )
```

8.

```
  1  ( ) (5) 9  7
+    4  7  ( ) ( )
-------------------
( )( )(3)( )( )
```

3 7 ◯ 1 ◯
+ ◯ 5 ◯ 8
⎯⎯⎯⎯⎯⎯⎯⎯⎯
◯ ◯ ◯ ⑦ ⑨

5 ① 6 2 ◯
+ 0 ◯ ⑥ 5
⎯⎯⎯⎯⎯⎯⎯⎯⎯
◯ ◯ ◯ ◯ ◯

9 ◯ ◯ 7 2
+ 2 0 ⑦ ◯
⎯⎯⎯⎯⎯⎯⎯⎯⎯
◯ ⑤ ◯ ◯ ◯

1 ◯ ◯ 2 5
+ 1 4 ◯ ◯
⎯⎯⎯⎯⎯⎯⎯⎯⎯
◯ ⑤ ◯ ⑨ ◯

2 ④ ◯ 8 6
+ 4 4 ◯ ◯
⎯⎯⎯⎯⎯⎯⎯⎯⎯
◯ ◯ ◯ ◯ ⑨

0 ◯ ⑥ 4 2
+ 5 1 ◯ ◯
⎯⎯⎯⎯⎯⎯⎯⎯⎯
◯ ◯ ◯ ⑨ ◯

4 ◯ 0 ◯ 4
+ 5 ◯ 7 ◯
⎯⎯⎯⎯⎯⎯⎯⎯⎯
◯ ◯ ④ ⑦ ◯

8 9 ◯ ② 8
+ ◯ 6 0 ◯
⎯⎯⎯⎯⎯⎯⎯⎯⎯
◯ ◯ ◯ ③ ◯

Expert

1	1	◯	◯	6
+	②	8	7	◯
◯	◯	◯	◯	◯

2	⑥	◯	2	3
+	7	3	◯	◯
◯	◯	◯	◯	◯

5	◯	5	◯	8
+	6	◯	2	◯
◯	◯	◯	◯	②

6	◯	8	◯	2
+	5	◯	4	◯
◯	◯	⑨	◯	◯

2	2	5	◯	◯
+	◯	◯	1	1
◯	◯	◯	⑤	◯

7	◯	◯	8	8
+	3	8	◯	◯
◯	◯	④	◯	◯

5	6	◯	◯	8
+	◯	4	2	◯
◯	◯	◯	⑥	◯

4	◯	6	6	◯
+	8	④	◯	3
◯	◯	◯	◯	◯

Solutions

Easy

```
  2   1  (7) (8)  9          6  (2)  6  (3)  5
+    (9)  8   3  (5)       +    3  (1)  4  (9)
 (3)(1)(6)(2)(4)            (6)(5)(7)(8)(4)
```

```
  6   8  (9) (2)  6          0  (8)  4   2  (2)
+    (6)  3   8  (8)       +    7  (3) (4)  7
 (7)(5)(3)(1)(4)            (1)(5)(7)(6)(9)
```

```
  5  (5) (7)  5   7          2  (5)  5   5  (8)
+    7   1  (3) (4)        +    7  (4) (1)  8
 (6)(2)(8)(9)(1)            (3)(2)(9)(7)(6)
```

```
  0   8   8  (5) (9)         9  (1) (6)  1   9
+    (3) (8)  1   5        +    2   6  (3) (8)
 (1)(2)(6)(7)(4)            (9)(4)(2)(5)(7)
```

```
  6 (1) 4  1 (7)          6  7 (2) 3 (4)
+ 7 (8)(3) 7            + (6) 2 (8) 5
---------------------    ---------------------
(6)(9)(2)(5)(4)         (7)(3)(5)(1)(9)


  4  7 (3) 3 (1)          5 (4) 6  6 (1)
+ (9) 5 (4) 1          + 2 (6)(3) 7
---------------------    ---------------------
(5)(6)(8)(7)(2)         (5)(7)(2)(9)(8)


  1  6  3 (4)(1)          1 (8)(1) 6  3
+ (7)(5) 2  8          + 5  4 (9)(4)
---------------------    ---------------------
(2)(3)(8)(6)(9)         (2)(3)(6)(5)(7)


  5  5 (9)(7) 1          1  0 (7)(9) 4
+ (5) 3  1 (3)         + (5) 5  3 (4)
---------------------    ---------------------
(6)(1)(2)(8)(4)         (1)(6)(3)(2)(8)
```

14

```
  1  5  7  2  5            3  4  0  7  4
+    1  9  1  8          +    1  8  4  2
-----------------        -----------------
  1  7  6  4  3            3  5  9  1  6


  8  8  4  2  7            3  7  5  5  2
+    6  3  8  8          +    9  8  1  6
-----------------        -----------------
  9  4  8  1  5            4  7  3  6  8


  0  8  3  3  2            5  1  6  5  8
+    9  5  1  4          +    7  1  3  4
-----------------        -----------------
  1  7  8  4  6            5  8  7  9  2


  2  4  8  4  7            3  9  8  7  2
+    8  1  1  8          +    6  5  1  5
-----------------        -----------------
  3  2  9  6  5            4  6  3  8  7
```

Medium

8 (4) 1 (2) 2
+ 7 (6) 6 (3)
———————————
(9)(1)(7)(8)(5)

1 8 6 (5)(4)
+ (8)(3) 1 7
———————————
(2)(6)(9)(7)(1)

3 1 0 (9)(4)
+ (1)(5) 8 4
———————————
(3)(2)(6)(7)(8)

3 6 3 (7)(5)
+ (9)(8) 3 8
———————————
(4)(6)(2)(1)(3)

2 (7) 8 (8) 2
+ 8 (5) 3 (9)
———————————
(3)(6)(4)(2)(1)

2 (8)(2) 4 3
+ 6 2 (7)(6)
———————————
(3)(4)(5)(1)(9)

8 (3) 8 5 (4)
+ 7 (6)(7) 4
———————————
(9)(1)(5)(2)(8)

1 (3)(9) 1 9
+ 4 6 (2)(7)
———————————
(1)(8)(5)(4)(6)

8 (7) (8) 3 7
+ 6 4 (1) (6)
(9) (4) (2) (5) (3)

2 8 (4) (6) 4
+ (8) 7 5 (5)
(3) (7) (2) (1) (9)

6 (4) (8) 5 8
+ 4 4 (1) (5)
(6) (9) (2) (7) (3)

4 (5) 6 7 (7)
+ 3 (2) (3) 9
(4) (8) (9) (1) (6)

1 8 1 (7) (8)
+ (5) (9) 5 8
(2) (4) (1) (3) (6)

8 (6) 7 8 (4)
+ 2 (7) (3) 7
(8) (9) (5) (2) (1)

1 (2) 3 (8) 9
+ 5 (3) 0 (5)
(1) (7) (6) (9) (4)

3 (4) 4 (7) 6
+ 5 (1) 8 (2)
(3) (9) (6) (5) (8)

```
  3   6  (2)  3  (1)          6  (2) (8)  8   8
+    (9)  6  (3)  6          +   6   2  (4) (7)
─────────────────────       ─────────────────────
(4)(5)(8)(6)(7)             (6)(9)(1)(3)(5)


  7  (3)(8)  5   4           2   2  (5)  6  (7)
+   2   4  (4)(1)           +  (8)  8  (6)  2
─────────────────────       ─────────────────────
(7)(6)(2)(9)(5)             (3)(1)(4)(2)(9)


  5  (4)  3   5  (1)         4   8  (6)(7)  4
+   8  (5)(8)  6            +  (2)  8   0  (9)
─────────────────────       ─────────────────────
(6)(2)(9)(3)(7)             (5)(1)(4)(8)(3)


  4   6  (9)  7  (3)         8   1  (5)  8  (3)
+  (1)  6  (5)  4           +  (1)  3  (6)  4
─────────────────────       ─────────────────────
(4)(8)(6)(2)(7)             (8)(2)(9)(4)(7)
```

Hard

	3	6	(9)	(8)	5		1	(8)	9	(7)	5
+		(6)	5	2	(7)	+		6	(4)	1	(6)
	(4)	(3)	(5)	(1)	(2)		(2)	(5)	(3)	(9)	(1)

	3	2	7	(9)	(8)		3	4	1	(9)	(6)
+		(2)	(6)	7	3	+		(8)	(1)	7	9
	(3)	(5)	(4)	(7)	(1)		(4)	(2)	(3)	(7)	(5)

	6	4	0	(4)	(8)		5	5	2	(7)	(3)
+		(5)	(2)	6	9	+		(9)	(5)	3	9
	(6)	(9)	(3)	(1)	(7)		(6)	(4)	(8)	(1)	(2)

	1	7	(3)	(8)	1		8	2	1	(4)	(2)
+		(4)	5	7	(6)	+		(7)	(3)	7	4
	(2)	(1)	(9)	(5)	(7)		(8)	(9)	(5)	(1)	(6)

8 (2) 6 2 (9)
+   2 (1) (3) 6
────────────────
(8) (4) (7) (6) (5)

1 7 (7) (1) 4
+ (8) 8 2 (9)
────────────────
(2) (6) (5) (4) (3)

5 5 (9) (2) 2
+ (8) 8 3 (1)
────────────────
(6) (4) (7) (5) (3)

4 (6) 2 (1) 9
+   6 (7) 6 (4)
────────────────
(5) (2) (9) (8) (3)

4 (3) (1) 3 3
+   4 4 (9) (5)
────────────────
(4) (7) 6 (2) (8)

7 5 (1) (5) 7
+ (9) 1 1 (6)
────────────────
8 (4) (2) (7) (3)

4 2 (7) 4 (4)
+ (8) 6 (2) 5
────────────────
(5) (1) (3) 6 (9)

1 (9) (5) 9 7
+   4 7 (7) (1)
────────────────
(2) (4) (3) (6) (8)

20

```
  3  7 (3) 1 (1)          5 (1) 6  2 (4)
+ (5) 5 (6) 8           +  0 (7)(6) 5
─────────────          ─────────────
(4)(2)(8)(7)(9)         (5)(2)(3)(8)(9)


  9 (3)(1) 7  2          1 (4)(2) 2  5
+  2  0 (7)(6)          +  1  4 (7)(3)
─────────────          ─────────────
(9)(5)(2)(4)(8)         (1)(5)(6)(9)(8)


  2 (4)(1) 8  6          0 (8)(6) 4  2
+  4  4 (7)(3)          +  5  1 (5)(2)
─────────────          ─────────────
(2)(8)(6)(5)(9)         (1)(3)(7)(9)(4)


  4 (6) 0 (9) 4          8  9 (1)(2) 8
+  5 (3) 7 (8)          + (5) 6  0 (8)
─────────────          ─────────────
(5)(1)(4)(7)(2)         (9)(4)(7)(3)(6)
```

21

Expert

```
  3  5  8 (3)(5)          7  8  5 (4)(6)
+   (6)(9) 8  2         +   (7)(3) 7  5
 ------------------      ------------------
 (4)(2)(8)(1)(7)         (8)(5)(9)(2)(1)
```

```
  1  4 (9)(1) 1          1 (9) 1 (8) 8
+   (8) 8  5 (4)         + 6 (1) 8 (6)
 ------------------      ------------------
 (2)(3)(7)(6)(5)         (2)(5)(3)(7)(4)
```

```
  1 (6) 4  5 (8)          7  2 (7)(5) 2
+    5 (4)(7) 7         +  (9) 7  1 (1)
 ------------------      ------------------
 (2)(1)(9)(3)(5)         (8)(2)(4)(6)(3)
```

```
  4 (1) 8 (7) 8          2 (4) 4  3 (6)
+    7 (3) 7 (8)         +  5 (3)(7) 9
 ------------------      ------------------
 (4)(9)(2)(5)(6)         (2)(9)(8)(1)(5)
```

$$
\begin{array}{r}
1\ 1\ 7\ 8\ 6 \\
+\ \ \ 2\ 8\ 7\ 3 \\
\hline
1\ 4\ 6\ 5\ 9
\end{array}
\qquad
\begin{array}{r}
2\ 6\ 8\ 2\ 3 \\
+\ \ \ 7\ 3\ 7\ 2 \\
\hline
3\ 4\ 1\ 9\ 5
\end{array}
$$

$$
\begin{array}{r}
5\ 1\ 5\ 6\ 8 \\
+\ \ \ 6\ 3\ 2\ 4 \\
\hline
5\ 7\ 8\ 9\ 2
\end{array}
\qquad
\begin{array}{r}
6\ 2\ 8\ 4\ 2 \\
+\ \ \ 5\ 1\ 4\ 3 \\
\hline
6\ 7\ 9\ 8\ 5
\end{array}
$$

$$
\begin{array}{r}
2\ 2\ 5\ 4\ 7 \\
+\ \ \ 9\ 6\ 1\ 1 \\
\hline
3\ 2\ 1\ 5\ 8
\end{array}
\qquad
\begin{array}{r}
7\ 2\ 5\ 8\ 8 \\
+\ \ \ 3\ 8\ 9\ 3 \\
\hline
7\ 6\ 4\ 8\ 1
\end{array}
$$

$$
\begin{array}{r}
5\ 6\ 3\ 4\ 8 \\
+\ \ \ 2\ 4\ 2\ 1 \\
\hline
5\ 8\ 7\ 6\ 9
\end{array}
\qquad
\begin{array}{r}
4\ 8\ 6\ 6\ 9 \\
+\ \ \ 8\ 4\ 6\ 3 \\
\hline
5\ 7\ 1\ 3\ 2
\end{array}
$$