

Solve each problem.

$$\begin{array}{r} 7 \\ + 5 \\ \hline 12 \end{array} \quad \begin{array}{r} 7 \\ + 6 \\ \hline 13 \end{array} \quad \begin{array}{r} 7 \\ + 10 \\ \hline 17 \end{array} \quad \begin{array}{r} 7 \\ + 2 \\ \hline 9 \end{array} \quad \begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array} \quad \begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array} \quad \begin{array}{r} 7 \\ + 4 \\ \hline 11 \end{array} \quad \begin{array}{r} 7 \\ + 9 \\ \hline 16 \end{array} \quad \begin{array}{r} 7 \\ + 8 \\ \hline 15 \end{array} \quad \begin{array}{r} 7 \\ + 1 \\ \hline 8 \end{array}$$

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

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

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

7	7	7	7	7	7	7	7	7	7
<u>+ 10</u>	<u>+ 5</u>	<u>+ 6</u>	<u>+ 1</u>	<u>+ 2</u>	<u>+ 4</u>	<u>+ 3</u>	<u>+ 7</u>	<u>+ 9</u>	<u>+ 8</u>
17	12	13	8	9	11	10	14	16	15

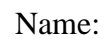
6	3	8	2	9	5	4	10	1	7
$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$

7	8	5	4	2	10	6	1	3	9
$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$

5	9	10	4	8	6	1	7	2	3
$\frac{+ 7}{12}$	$\frac{+ 7}{16}$	$\frac{+ 7}{17}$	$\frac{+ 7}{11}$	$\frac{+ 7}{15}$	$\frac{+ 7}{13}$	$\frac{+ 7}{8}$	$\frac{+ 7}{14}$	$\frac{+ 7}{9}$	$\frac{+ 7}{10}$

7	2	10	5	9	3	8	1	6	4
$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$

7	6	5	4	8	10	1	2	3	9
$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$
14	13	12	11	15	17	8	9	10	16



Solve each problem.

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

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

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

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

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

4	10	2	7	1	5	6	9	8	3
$\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$

9	1	5	8	10	2	4	3	6	7
$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$
16	8	12	15	17	9	11	10	13	14

1	6	8	7	5	9	3	10	2	4
$\begin{array}{r} + 7 \\ \hline 8 \end{array}$	$\begin{array}{r} + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} + 7 \\ \hline 16 \end{array}$	$\begin{array}{r} + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} + 7 \\ \hline 17 \end{array}$	$\begin{array}{r} + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} + 7 \\ \hline 11 \end{array}$

6	3	10	4	9	2	7	1	8	5
$\begin{array}{r} 6 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline \end{array}$
13	10	17	11	16	9	14	8	15	12

3	1	2	10	8	5	7	6	4	9
$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$

Solve each problem.

7	7	7	7	7	7	7	7	7	7
<u>+ 10</u>	<u>+ 3</u>	<u>+ 1</u>	<u>+ 5</u>	<u>+ 4</u>	<u>+ 6</u>	<u>+ 2</u>	<u>+ 8</u>	<u>+ 9</u>	<u>+ 7</u>
17	10	8	12	11	13	9	15	16	14

7	7	7	7	7	7	7	7	7	7
<u>+ 9</u>	<u>+ 2</u>	<u>+ 1</u>	<u>+ 10</u>	<u>+ 4</u>	<u>+ 8</u>	<u>+ 6</u>	<u>+ 7</u>	<u>+ 5</u>	<u>+ 3</u>
16	9	8	17	11	15	13	14	12	10

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

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

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

7	3	8	5	10	1	4	2	6	9
$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$

7	4	10	3	2	9	5	6	8	1
$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$

9	3	5	1	6	2	10	7	4	8
$\frac{+ 7}{16}$	$\frac{+ 7}{10}$	$\frac{+ 7}{12}$	$\frac{+ 7}{8}$	$\frac{+ 7}{13}$	$\frac{+ 7}{9}$	$\frac{+ 7}{17}$	$\frac{+ 7}{14}$	$\frac{+ 7}{11}$	$\frac{+ 7}{15}$

7	10	8	4	1	9	3	2	6	5
$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$
14	17	15	11	8	16	10	9	13	12

5	6	2	4	10	1	9	8	7	3
$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$



Solve each problem.

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

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

$$\begin{array}{r} 7 \\ + 2 \\ \hline 9 \end{array} \quad \begin{array}{r} 7 \\ + 8 \\ \hline 15 \end{array} \quad \begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array} \quad \begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array} \quad \begin{array}{r} 7 \\ + 6 \\ \hline 13 \end{array} \quad \begin{array}{r} 7 \\ + 5 \\ \hline 12 \end{array} \quad \begin{array}{r} 7 \\ + 4 \\ \hline 11 \end{array} \quad \begin{array}{r} 7 \\ + 9 \\ \hline 16 \end{array} \quad \begin{array}{r} 7 \\ + 10 \\ \hline 17 \end{array} \quad \begin{array}{r} 7 \\ + 1 \\ \hline 8 \end{array}$$

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

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

9	6	3	5	4	1	2	8	7	10
$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$
16	13	10	12	11	8	9	15	14	17

2	3	9	6	8	5	10	1	7	4
$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$
9	10	16	13	15	12	17	8	14	11

3	8	2	1	7	4	10	5	6	9
$\begin{array}{r} 3 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline \end{array}$
10	15	9	8	14	11	17	12	13	16

8	9	3	10	5	4	2	6	7	1
$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$	$\begin{array}{r} + 7 \\ \hline \end{array}$
15	16	10	17	12	11	9	13	14	8

4	2	6	3	5	8	1	9	7	10
$\begin{array}{r} 4 \\ + 7 \\ \hline 11 \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline 9 \end{array}$	$\begin{array}{r} 6 \\ + 7 \\ \hline 13 \end{array}$	$\begin{array}{r} 3 \\ + 7 \\ \hline 10 \end{array}$	$\begin{array}{r} 5 \\ + 7 \\ \hline 12 \end{array}$	$\begin{array}{r} 8 \\ + 7 \\ \hline 15 \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline 8 \end{array}$	$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$	$\begin{array}{r} 7 \\ + 7 \\ \hline 14 \end{array}$	$\begin{array}{r} 10 \\ + 7 \\ \hline 17 \end{array}$
11	9	13	10	12	15	8	16	14	17



