CC BY NC 2024 Illustrative Mathematics®

Puzzle 1

Place a number card in each space to make the equations true. Each number 0–9 can only be used once.

6= ☐ + ☐	6= ☐ + ☐
6= ☐ - ☐	6= ☐ - 2
6= ☐ - ☐	6= ☐ - 1

Puzzle 2

Place a number card in each space to make the equations true. Each number 0–9 can only be used once.

7= ☐ + ☐	7= ☐ + ☐
7= ☐ - ☐	7= ☐ - 2
7= ☐ + ☐	7= ☐ - 1

CC BY NC 2024 Illustrative Mathematics®

CC BY NC 2024 Illustrative Mathematics®

Puzzle 3

Place a number card in each space to make the equations true. Each number 0–9 can only be used once. Some cards will be leftover.

8= ☐ + ☐	8= ☐ + ☐
8= ☐ - 0	8= ☐ - 1
8= ☐ + ☐	

CC BY NC 2024 Illustrative Mathematics®

Puzzle 4

Place a number card in each space to make the equations true. Each number 0–9 can only be used once.

9= ☐ + ☐	9= ☐ + ☐
9= ☐ + ☐	9= ☐ + ☐
9= ☐ + ☐	

Puzzle 5

Place a number card in each space to make the equations true. Each number 0–9 can only be used once. Some cards will be leftover.

$10 = \square + 5$	$10 = \square + \square$
$10 = 8 + \square$	$10 = \square + \square$
$10 = \square + 2$	

CC BY NC 2024 Illustrative Mathematics®

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

CC BY NC 2024 Illustrative Mathematics®