Missing Numbers in Equations (A)

What value does each shape represent?

$8 - \diamond = 3$

$\boxtimes - 2 = 8$

$14 - \boxplus = 9$

$\circledast - 9 = 8$

$11 - \circledcirc = 7$

$\blacklozenge - 4 = 8$

$\circledast - 6 = 6$

$\nabla - 1 = 3$

$15 - \Delta = 9$

$12 - \blacksquare = 5$

$\boxtimes - 5 = 8$

$\blacksquare - 6 = 8$

$18 - \divideontimes = 9$

$\pentagon - 1 = 1$

$\divideontimes - 6 = 2$

$18 - \blacksquare = 9$

$9 - \divideontimes = 4$

$\square - 5 = 5$

$7 - \blacksquare = 6$

$8 - \Delta = 7$

$\Delta - 3 = 1$

$\boxtimes - 4 = 4$

$5 - \square = 4$

$10 - \spadesuit = 3$

$\circledcirc - 6 = 4$

$\nabla - 1 = 8$

$10 - \square = 3$

$12 - \blacklozenge = 9$

$\hexagon - 4 = 1$

$\Delta - 1 = 2$

$\blacksquare - 9 = 2$

$9 - \hexagon = 7$

$\square - 7 = 2$

$6 - \Delta = 5$

$15 - \boxtimes = 8$

$\square - 6 = 7$

$\boxplus - 5 = 8$

$9 - \boxplus = 4$

$\blacklozenge - 8 = 4$

$\boxtimes - 1 = 1$

Missing Numbers in Equations (A) Answers

What value does each shape represent?

$8 - \diamondsuit = 3$
$\diamondsuit = 5$

$\boxtimes - 2 = 8$
$\boxtimes = 10$

$14 - \boxplus = 9$
$\boxplus = 5$

$\circledast - 9 = 8$
$\circledast = 17$

$11 - \circledcirc = 7$
$\circledcirc = 4$

$\blacklozenge - 4 = 8$
$\blacklozenge = 12$

$\circledast - 6 = 6$
$\circledast = 12$

$\nabla - 1 = 3$
$\nabla = 4$

$15 - \Delta = 9$
$\Delta = 6$

$12 - \blacksquare = 5$
$\blacksquare = 7$

$\boxtimes - 5 = 8$
$\boxtimes = 13$

$\blacksquare - 6 = 8$
$\blacksquare = 14$

$18 - \divideontimes = 9$
$\divideontimes = 9$

$\pentagon - 1 = 1$
$\pentagon = 2$

$\divideontimes - 6 = 2$
$\divideontimes = 8$

$18 - \blacksquare = 9$
$\blacksquare = 9$

$9 - \divideontimes = 4$
$\divideontimes = 5$

$\square - 5 = 5$
$\square = 10$

$7 - \blacksquare = 6$
$\blacksquare = 1$

$8 - \Delta = 7$
$\Delta = 1$

$\Delta - 3 = 1$
$\Delta = 4$

$\boxtimes - 4 = 4$
$\boxtimes = 8$

$5 - \square = 4$
$\square = 1$

$10 - \spadesuit = 3$
$\spadesuit = 7$

$\circledcirc - 6 = 4$
$\circledcirc = 10$

$\nabla - 1 = 8$
$\nabla = 9$

$10 - \square = 3$
$\square = 7$

$12 - \blacklozenge = 9$
$\blacklozenge = 3$

$\hexagon - 4 = 1$
$\hexagon = 5$

$\Delta - 1 = 2$
$\Delta = 3$

$\blacksquare - 9 = 2$
$\blacksquare = 11$

$9 - \hexagon = 7$
$\hexagon = 2$

$\square - 7 = 2$
$\square = 9$

$6 - \Delta = 5$
$\Delta = 1$

$15 - \boxtimes = 8$
$\boxtimes = 7$

$\square - 6 = 7$
$\square = 13$

$\boxplus - 5 = 8$
$\boxplus = 13$

$9 - \boxplus = 4$
$\boxplus = 5$

$\blacklozenge - 8 = 4$
$\blacklozenge = 12$

$\boxtimes - 1 = 1$
$\boxtimes = 2$

Missing Numbers in Equations (B)

What value does each shape represent?

✧ − 2 = 5	◉ − 8 = 2	13 − ✧ = 8	♦ − 4 = 4
⌓ − 3 = 1	4 − ◉ = 3	13 − ♠ = 6	7 − ☖ = 4
12 − □ = 8	◊ − 9 = 3	14 − ⊞ = 8	16 − ◊ = 9
14 − ⊙ = 6	⊛ − 3 = 8	12 − ⊞ = 7	☖ − 6 = 6
5 − ⌓ = 1	6 − ⊞ = 3	♡ − 6 = 3	7 − ◉ = 4
♦ − 2 = 6	♦ − 5 = 3	☖ − 3 = 8	⧖ − 3 = 7
11 − ♡ = 2	13 − ⊞ = 7	Δ − 1 = 5	9 − ※ = 7
♠ − 2 = 2	4 − ✧ = 1	10 − ♡ = 2	⧖ − 5 = 4
17 − ♠ = 8	Δ − 2 = 3	※ − 3 = 7	4 − ♠ = 3
8 − ⊙ = 2	13 − ⧖ = 4	⊛ − 5 = 6	♦ − 2 = 4

Missing Numbers in Equations (B)

What value does each shape represent?

✧ − 2 = 5 ✧ = 7	◉ − 8 = 2 ◉ = 10	13 − ✧ = 8 ✧ = 5	♦ − 4 = 4 ♦ = 8
⌓ − 3 = 1 ⌓ = 4	4 − ◉ = 3 ◉ = 1	13 − ♠ = 6 ♠ = 7	7 − ☖ = 4 ☖ = 3
12 − □ = 8 □ = 4	◊ − 9 = 3 ◊ = 12	14 − ⊞ = 8 ⊞ = 6	16 − ◊ = 9 ◊ = 7
14 − ⊙ = 6 ⊙ = 8	⊛ − 3 = 8 ⊛ = 11	12 − ⊞ = 7 ⊞ = 5	☖ − 6 = 6 ☖ = 12
5 − ⌓ = 1 ⌓ = 4	6 − ⊞ = 3 ⊞ = 3	♡ − 6 = 3 ♡ = 9	7 − ◉ = 4 ◉ = 3
♦ − 2 = 6 ♦ = 8	♦ − 5 = 3 ♦ = 8	☖ − 3 = 8 ☖ = 11	⧖ − 3 = 7 ⧖ = 10
11 − ♡ = 2 ♡ = 9	13 − ⊞ = 7 ⊞ = 6	Δ − 1 = 5 Δ = 6	9 − ※ = 7 ※ = 2
♠ − 2 = 2 ♠ = 4	4 − ✧ = 1 ✧ = 3	10 − ♡ = 2 ♡ = 8	⧖ − 5 = 4 ⧖ = 9
17 − ♠ = 8 ♠ = 9	Δ − 2 = 3 Δ = 5	※ − 3 = 7 ※ = 10	4 − ♠ = 3 ♠ = 1
8 − ⊙ = 2 ⊙ = 6	13 − ⧖ = 4 ⧖ = 9	⊛ − 5 = 6 ⊛ = 11	♦ − 2 = 4 ♦ = 6

Missing Numbers in Equations (C)

What value does each shape represent?

$10 - \heartsuit = 4$	$\blacksquare - 8 = 6$	$\blacksquare - 5 = 5$	$6 - \square = 3$
$9 - \odot = 7$	$9 - \circledast = 6$	$\odot - 6 = 8$	$13 - \circledast = 7$
$11 - \circledcirc = 7$	$\frown - 8 = 4$	$\square - 2 = 1$	$\blacksquare - 6 = 6$
$\blacksquare - 4 = 2$	$16 - \circledcirc = 7$	$8 - \frown = 1$	$\square - 4 = 3$
$8 - \boxplus = 6$	$\blacksquare - 9 = 6$	$\square - 7 = 9$	$\Delta - 7 = 6$
$3 - \frown = 1$	$\divideontimes - 3 = 1$	$12 - \frown = 4$	$12 - \divideontimes = 8$
$\spadesuit - 9 = 3$	$\blacksquare - 3 = 8$	$\blacksquare - 1 = 2$	$\boxplus - 6 = 3$
$\heartsuit - 7 = 8$	$8 - \spadesuit = 3$	$14 - \blacklozenge = 5$	$\heartsuit - 7 = 2$
$\Delta - 1 = 6$	$\blacksquare - 1 = 9$	$14 - \lozenge = 8$	$\divideontimes - 3 = 7$
$\Delta - 6 = 5$	$\circledast - 6 = 4$	$\odot - 2 = 1$	$\circledcirc - 9 = 9$

Missing Numbers in Equations (C)

What value does each shape represent?

$10 - \heartsuit = 4$
$\heartsuit = 6$

$\boxtimes - 8 = 6$
$\boxtimes = 14$

$\blacksquare - 5 = 5$
$\blacksquare = 10$

$6 - \square = 3$
$\square = 3$

$9 - \odot = 7$
$\odot = 2$

$9 - \circledast = 6$
$\circledast = 3$

$\odot - 6 = 8$
$\odot = 14$

$13 - \circledast = 7$
$\circledast = 6$

$11 - \circledcirc = 7$
$\circledcirc = 4$

$\frown - 8 = 4$
$\frown = 12$

$\square - 2 = 1$
$\square = 3$

$\boxtimes - 6 = 6$
$\boxtimes = 12$

$\boxtimes - 4 = 2$
$\boxtimes = 6$

$16 - \circledcirc = 7$
$\circledcirc = 9$

$8 - \frown = 1$
$\frown = 7$

$\square - 4 = 3$
$\square = 7$

$8 - \boxplus = 6$
$\boxplus = 2$

$\blacksquare - 9 = 6$
$\blacksquare = 15$

$\square - 7 = 9$
$\square = 16$

$\Delta - 7 = 6$
$\Delta = 13$

$3 - \frown = 1$
$\frown = 2$

$\divideontimes - 3 = 1$
$\divideontimes = 4$

$12 - \frown = 4$
$\frown = 8$

$12 - \divideontimes = 8$
$\divideontimes = 4$

$\spadesuit - 9 = 3$
$\spadesuit = 12$

$\boxtimes - 3 = 8$
$\boxtimes = 11$

$\blacksquare - 1 = 2$
$\blacksquare = 3$

$\boxplus - 6 = 3$
$\boxplus = 9$

$\heartsuit - 7 = 8$
$\heartsuit = 15$

$8 - \spadesuit = 3$
$\spadesuit = 5$

$14 - \blacklozenge = 5$
$\blacklozenge = 9$

$\heartsuit - 7 = 2$
$\heartsuit = 9$

$\Delta - 1 = 6$
$\Delta = 7$

$\blacksquare - 1 = 9$
$\blacksquare = 10$

$14 - \lozenge = 8$
$\lozenge = 6$

$\divideontimes - 3 = 7$
$\divideontimes = 10$

$\Delta - 6 = 5$
$\Delta = 11$

$\circledast - 6 = 4$
$\circledast = 10$

$\odot - 2 = 1$
$\odot = 3$

$\circledcirc - 9 = 9$
$\circledcirc = 18$

Missing Numbers in Equations (D)

What value does each shape represent?

■ − 3 = 3	16 − □ = 7	Δ − 1 = 3	◊ − 1 = 7
♦ − 5 = 7	9 − ⬠ = 7	⊛ − 5 = 2	⊙ − 4 = 2
9 − ♡ = 6	⊛ − 8 = 7	7 − ※ = 1	11 − ⬠ = 9
⧉ − 5 = 7	10 − ◉ = 8	♠ − 9 = 7	▯ − 5 = 7
9 − ⧖ = 4	⊞ − 2 = 9	Δ − 2 = 9	13 − ⌓ = 9
◉ − 9 = 8	◊ − 7 = 3	■ − 7 = 5	6 − ♠ = 3
♠ − 3 = 3	13 − ♠ = 4	9 − ※ = 7	3 − ◉ = 2
7 − ⧉ = 3	12 − ⊞ = 8	8 − ⌓ = 4	⊛ − 5 = 1
⊙ − 4 = 4	◉ − 8 = 1	⬠ − 4 = 4	⊛ − 9 = 1
15 − ⌓ = 7	5 − ♡ = 3	⊛ − 8 = 1	Δ − 6 = 9

Missing Numbers in Equations (D)

What value does each shape represent?

■ − 3 = 3
■ = 6

16 − □ = 7
□ = 9

Δ − 1 = 3
Δ = 4

◊ − 1 = 7
◊ = 8

♦ − 5 = 7
♦ = 12

9 − ☖ = 7
☖ = 2

⊛ − 5 = 2
⊛ = 7

⊙ − 4 = 2
⊙ = 6

9 − ♡ = 6
♡ = 3

⊛ − 8 = 7
⊛ = 15

7 − ※ = 1
※ = 6

11 − ☖ = 9
☖ = 2

⧉ − 5 = 7
⧉ = 12

10 − ◉ = 8
◉ = 2

♠ − 9 = 7
♠ = 16

▯ − 5 = 7
▯ = 12

9 − ⧖ = 4
⧖ = 5

⊞ − 2 = 9
⊞ = 11

Δ − 2 = 9
Δ = 11

13 − ⌓ = 9
⌓ = 4

◉ − 9 = 8
◉ = 17

◊ − 7 = 3
◊ = 10

■ − 7 = 5
■ = 12

6 − ♠ = 3
♠ = 3

♠ − 3 = 3
♠ = 6

13 − ♠ = 4
♠ = 9

9 − ※ = 7
※ = 2

3 − ◉ = 2
◉ = 1

7 − ⧉ = 3
⧉ = 4

12 − ⊞ = 8
⊞ = 4

8 − ⌓ = 4
⌓ = 4

⊛ − 5 = 1
⊛ = 6

⊙ − 4 = 4
⊙ = 8

◉ − 8 = 1
◉ = 9

☖ − 4 = 4
☖ = 8

⊛ − 9 = 1
⊛ = 10

15 − ⌓ = 7
⌓ = 8

5 − ♡ = 3
♡ = 2

⊛ − 8 = 1
⊛ = 9

Δ − 6 = 9
Δ = 15

Missing Numbers in Equations (E)

What value does each shape represent?

$17 - \smile = 8$	$6 - \diamondsuit = 4$	$\diamondsuit - 2 = 2$	$\heartsuit - 9 = 8$
$\circledast - 4 = 9$	$14 - \heartsuit = 8$	$\odot - 7 = 5$	$\odot - 7 = 4$
$\square - 2 = 9$	$\heartsuit - 6 = 3$	$13 - \hexagon = 8$	$12 - \circledast = 4$
$\diamondsuit - 6 = 6$	$\boxplus - 8 = 2$	$\nabla - 3 = 6$	$10 - \square = 3$
$\lozenge - 6 = 9$	$9 - \circledcirc = 8$	$10 - \smile = 5$	$\heartsuit - 5 = 8$
$\spadesuit - 2 = 9$	$\boxtimes - 4 = 1$	$15 - \boxplus = 6$	$12 - \square = 9$
$\Delta - 4 = 7$	$\boxplus - 9 = 4$	$5 - \odot = 4$	$14 - \circledast = 8$
$2 - \spadesuit = 1$	$10 - \lozenge = 3$	$7 - \square = 1$	$10 - \lozenge = 6$
$\boxplus - 4 = 9$	$\blacksquare - 5 = 2$	$\circledcirc - 2 = 9$	$\boxtimes - 8 = 2$
$\Delta - 5 = 2$	$18 - \blacklozenge = 9$	$\smile - 1 = 2$	$18 - \circledcirc = 9$

Missing Numbers in Equations (E)

What value does each shape represent?

$17 - \smile = 8$ $\smile = 9$	$6 - \diamondsuit = 4$ $\diamondsuit = 2$	$\diamondsuit - 2 = 2$ $\diamondsuit = 4$	$\heartsuit - 9 = 8$ $\heartsuit = 17$
$\circledast - 4 = 9$ $\circledast = 13$	$14 - \heartsuit = 8$ $\heartsuit = 6$	$\odot - 7 = 5$ $\odot = 12$	$\odot - 7 = 4$ $\odot = 11$
$\square - 2 = 9$ $\square = 11$	$\heartsuit - 6 = 3$ $\heartsuit = 9$	$13 - \hexagon = 8$ $\hexagon = 5$	$12 - \circledast = 4$ $\circledast = 8$
$\diamondsuit - 6 = 6$ $\diamondsuit = 12$	$\boxplus - 8 = 2$ $\boxplus = 10$	$\nabla - 3 = 6$ $\nabla = 9$	$10 - \square = 3$ $\square = 7$
$\lozenge - 6 = 9$ $\lozenge = 15$	$9 - \circledcirc = 8$ $\circledcirc = 1$	$10 - \smile = 5$ $\smile = 5$	$\heartsuit - 5 = 8$ $\heartsuit = 13$
$\spadesuit - 2 = 9$ $\spadesuit = 11$	$\boxtimes - 4 = 1$ $\boxtimes = 5$	$15 - \boxplus = 6$ $\boxplus = 9$	$12 - \square = 9$ $\square = 3$
$\Delta - 4 = 7$ $\Delta = 11$	$\boxplus - 9 = 4$ $\boxplus = 13$	$5 - \odot = 4$ $\odot = 1$	$14 - \circledast = 8$ $\circledast = 6$
$2 - \spadesuit = 1$ $\spadesuit = 1$	$10 - \lozenge = 3$ $\lozenge = 7$	$7 - \square = 1$ $\square = 6$	$10 - \lozenge = 6$ $\lozenge = 4$
$\boxplus - 4 = 9$ $\boxplus = 13$	$\blacksquare - 5 = 2$ $\blacksquare = 7$	$\circledcirc - 2 = 9$ $\circledcirc = 11$	$\boxtimes - 8 = 2$ $\boxtimes = 10$
$\Delta - 5 = 2$ $\Delta = 7$	$18 - \blacklozenge = 9$ $\blacklozenge = 9$	$\smile - 1 = 2$ $\smile = 3$	$18 - \circledcirc = 9$ $\circledcirc = 9$

Missing Numbers in Equations (F)

What value does each shape represent?

⬡ − 3 = 4	15 − ⧉ = 6	9 − ⌓ = 2	13 − ◻ = 5
◊ − 3 = 9	⧖ − 3 = 6	♦ − 4 = 6	⊞ − 3 = 7
9 − ⧖ = 3	7 − ■ = 4	✧ − 2 = 2	6 − ▭ = 5
◊ − 3 = 1	✧ − 2 = 4	▭ − 8 = 4	14 − ⬠ = 6
◉ − 6 = 8	⊛ − 1 = 6	7 − Δ = 2	⌓ − 2 = 7
5 − ◉ = 1	▭ − 7 = 3	13 − ■ = 4	9 − ⧖ = 6
7 − ⌓ = 4	10 − ∇ = 1	✧ − 2 = 2	Δ − 3 = 2
⧉ − 3 = 2	11 − ⊛ = 2	⊙ − 1 = 5	15 − Δ = 6
◉ − 4 = 6	⧉ − 1 = 2	⊛ − 3 = 1	11 − ⊛ = 7
10 − ⌓ = 5	8 − ∇ = 2	※ − 2 = 9	14 − ⧖ = 5

Missing Numbers in Equations (F)

What value does each shape represent?

⬡ − 3 = 4 ⬡ = 7	15 − ⧉ = 6 ⧉ = 9	9 − ⌓ = 2 ⌓ = 7	13 − □ = 5 □ = 8
◊ − 3 = 9 ◊ = 12	⧖ − 3 = 6 ⧖ = 9	♦ − 4 = 6 ♦ = 10	⊞ − 3 = 7 ⊞ = 10
9 − ⧖ = 3 ⧖ = 6	7 − ■ = 4 ■ = 3	✧ − 2 = 2 ✧ = 4	6 − ▭ = 5 ▭ = 1
◊ − 3 = 1 ◊ = 4	✧ − 2 = 4 ✧ = 6	▭ − 8 = 4 ▭ = 12	14 − ⬠ = 6 ⬠ = 8
◉ − 6 = 8 ◉ = 14	⊛ − 1 = 6 ⊛ = 7	7 − Δ = 2 Δ = 5	⌓ − 2 = 7 ⌓ = 9
5 − ◉ = 1 ◉ = 4	▭ − 7 = 3 ▭ = 10	13 − ■ = 4 ■ = 9	9 − ⧖ = 6 ⧖ = 3
7 − ⌓ = 4 ⌓ = 3	10 − ∇ = 1 ∇ = 9	✧ − 2 = 2 ✧ = 4	Δ − 3 = 2 Δ = 5
⧉ − 3 = 2 ⧉ = 5	11 − ⊛ = 2 ⊛ = 9	⊙ − 1 = 5 ⊙ = 6	15 − Δ = 6 Δ = 9
◉ − 4 = 6 ◉ = 10	⧉ − 1 = 2 ⧉ = 3	⊛ − 3 = 1 ⊛ = 4	11 − ⊛ = 7 ⊛ = 4
10 − ⌓ = 5 ⌓ = 5	8 − ∇ = 2 ∇ = 6	※ − 2 = 9 ※ = 11	14 − ⧖ = 5 ⧖ = 9

Missing Numbers in Equations (G)

What value does each shape represent?

$16 - \diamond = 9$	$\nabla - 7 = 6$	$\square - 1 = 1$	$\circledast - 7 = 7$
$4 - \blacklozenge = 2$	$15 - \square = 9$	$\pentagon - 3 = 5$	$11 - \Delta = 9$
$9 - \heartsuit = 5$	$\circledast - 1 = 3$	$13 - \lozenge = 8$	$9 - \spadesuit = 1$
$\nabla - 5 = 7$	$\pentagon - 5 = 1$	$\cap - 8 = 4$	$4 - \diamond = 2$
$\diamond - 9 = 1$	$12 - \hourglass = 9$	$\hexagon - 3 = 2$	$\boxplus - 5 = 5$
$15 - \square = 6$	$\square - 5 = 9$	$13 - \circledcirc = 7$	$6 - \spadesuit = 2$
$\circledcirc - 9 = 1$	$\hourglass - 7 = 5$	$\heartsuit - 4 = 4$	$12 - \circledcirc = 4$
$\divideontimes - 6 = 8$	$7 - \blacklozenge = 2$	$15 - \square = 7$	$\odot - 4 = 1$
$8 - \boxplus = 5$	$\square - 8 = 7$	$7 - \square = 1$	$\hourglass - 4 = 3$
$5 - \blacksquare = 1$	$8 - \spadesuit = 6$	$2 - \circledcirc = 1$	$\hexagon - 3 = 6$

Missing Numbers in Equations (G)

What value does each shape represent?

$16 - \diamondsuit = 9$
$\diamondsuit = 7$

$\nabla - 7 = 6$
$\nabla = 13$

$\square - 1 = 1$
$\square = 2$

$\circledast - 7 = 7$
$\circledast = 14$

$4 - \blacklozenge = 2$
$\blacklozenge = 2$

$15 - \square = 9$
$\square = 6$

$\pentagon - 3 = 5$
$\pentagon = 8$

$11 - \Delta = 9$
$\Delta = 2$

$9 - \heartsuit = 5$
$\heartsuit = 4$

$\circledast - 1 = 3$
$\circledast = 4$

$13 - \lozenge = 8$
$\lozenge = 5$

$9 - \spadesuit = 1$
$\spadesuit = 8$

$\nabla - 5 = 7$
$\nabla = 12$

$\pentagon - 5 = 1$
$\pentagon = 6$

$\frown - 8 = 4$
$\frown = 12$

$4 - \diamondsuit = 2$
$\diamondsuit = 2$

$\diamondsuit - 9 = 1$
$\diamondsuit = 10$

$12 - \boxtimes = 9$
$\boxtimes = 3$

$\hexagon - 3 = 2$
$\hexagon = 5$

$\boxplus - 5 = 5$
$\boxplus = 10$

$15 - \square = 6$
$\square = 9$

$\square - 5 = 9$
$\square = 14$

$13 - \circledcirc = 7$
$\circledcirc = 6$

$6 - \spadesuit = 2$
$\spadesuit = 4$

$\circledcirc - 9 = 1$
$\circledcirc = 10$

$\boxtimes - 7 = 5$
$\boxtimes = 12$

$\heartsuit - 4 = 4$
$\heartsuit = 8$

$12 - \circledcirc = 4$
$\circledcirc = 8$

$\divideontimes - 6 = 8$
$\divideontimes = 14$

$7 - \blacklozenge = 2$
$\blacklozenge = 5$

$15 - \square = 7$
$\square = 8$

$\odot - 4 = 1$
$\odot = 5$

$8 - \boxplus = 5$
$\boxplus = 3$

$\square - 8 = 7$
$\square = 15$

$7 - \square = 1$
$\square = 6$

$\boxtimes - 4 = 3$
$\boxtimes = 7$

$5 - \blacksquare = 1$
$\blacksquare = 4$

$8 - \spadesuit = 6$
$\spadesuit = 2$

$2 - \circledcirc = 1$
$\circledcirc = 1$

$\hexagon - 3 = 6$
$\hexagon = 9$

Missing Numbers in Equations (H)

What value does each shape represent?

◊ − 5 = 2	□ − 7 = 6	6 − □ = 5	5 − ⊙ = 2
11 − ⌓ = 4	9 − ⊙ = 3	✧ − 7 = 1	Δ − 5 = 9
13 − ⊛ = 5	18 − ∇ = 9	16 − ◊ = 8	♠ − 1 = 2
4 − ■ = 1	♦ − 6 = 8	9 − Δ = 4	12 − □ = 8
7 − □ = 4	⧖ − 6 = 2	⊛ − 7 = 7	⊛ − 7 = 8
6 − ♦ = 5	⊛ − 4 = 9	⊙ − 3 = 4	5 − ※ = 4
16 − ⌂ = 7	13 − ♦ = 5	8 − ⌓ = 6	⧉ − 9 = 9
⧉ − 3 = 3	4 − ⊞ = 2	12 − ⌓ = 3	18 − ※ = 9
♠ − 1 = 6	⊛ − 1 = 9	12 − ⌂ = 3	17 − Δ = 8
♠ − 5 = 8	⌂ − 3 = 1	5 − ◊ = 2	⊙ − 2 = 3

Missing Numbers in Equations (H)

What value does each shape represent?

◊ − 5 = 2
◊ = 7

□ − 7 = 6
□ = 13

6 − □ = 5
□ = 1

5 − ⊙ = 2
⊙ = 3

11 − ⌓ = 4
⌓ = 7

9 − ⊙ = 3
⊙ = 6

✧ − 7 = 1
✧ = 8

Δ − 5 = 9
Δ = 14

13 − ⊛ = 5
⊛ = 8

18 − ∇ = 9
∇ = 9

16 − ◊ = 8
◊ = 8

♠ − 1 = 2
♠ = 3

4 − ■ = 1
■ = 3

♦ − 6 = 8
♦ = 14

9 − Δ = 4
Δ = 5

12 − □ = 8
□ = 4

7 − □ = 4
□ = 3

⧖ − 6 = 2
⧖ = 8

⊛ − 7 = 7
⊛ = 14

⊛ − 7 = 8
⊛ = 15

6 − ♦ = 5
♦ = 1

⊛ − 4 = 9
⊛ = 13

⊙ − 3 = 4
⊙ = 7

5 − ※ = 4
※ = 1

16 − ⌂ = 7
⌂ = 9

13 − ♦ = 5
♦ = 8

8 − ⌓ = 6
⌓ = 2

⧉ − 9 = 9
⧉ = 18

⧉ − 3 = 3
⧉ = 6

4 − ⊞ = 2
⊞ = 2

12 − ⌓ = 3
⌓ = 9

18 − ※ = 9
※ = 9

♠ − 1 = 6
♠ = 7

⊛ − 1 = 9
⊛ = 10

12 − ⌂ = 3
⌂ = 9

17 − Δ = 8
Δ = 9

♠ − 5 = 8
♠ = 13

⌂ − 3 = 1
⌂ = 4

5 − ◊ = 2
◊ = 3

⊙ − 2 = 3
⊙ = 5

Missing Numbers in Equations (I)

What value does each shape represent?

$\odot - 5 = 4$	$\square - 2 = 8$	$17 - \nabla = 8$	$6 - \boxplus = 1$
$\boxplus - 5 = 3$	$14 - \odot = 5$	$\divideontimes - 9 = 4$	$5 - \hexagon = 2$
$12 - \diamond = 3$	$12 - \square = 6$	$7 - \blacklozenge = 2$	$6 - \nabla = 4$
$\heartsuit - 3 = 4$	$\divideontimes - 5 = 2$	$9 - \square = 8$	$14 - \circledast = 7$
$11 - \Delta = 2$	$\Delta - 8 = 1$	$\square - 6 = 8$	$11 - \lozenge = 8$
$\Delta - 4 = 4$	$6 - \square = 4$	$9 - \frown = 2$	$\circledcirc - 5 = 8$
$12 - \divideontimes = 5$	$16 - \spadesuit = 8$	$\frown - 5 = 5$	$12 - \nabla = 3$
$\odot - 3 = 7$	$10 - \nabla = 1$	$\blacklozenge - 3 = 5$	$\blacklozenge - 4 = 5$
$\boxplus - 3 = 3$	$\diamond - 3 = 5$	$\blacklozenge - 4 = 2$	$\blacksquare - 2 = 4$
$8 - \divideontimes = 7$	$\square - 1 = 5$	$\circledcirc - 8 = 6$	$5 - \circledast = 4$

Missing Numbers in Equations (I)

What value does each shape represent?

$\odot - 5 = 4$
$\odot = 9$

$\square - 2 = 8$
$\square = 10$

$17 - \nabla = 8$
$\nabla = 9$

$6 - \boxplus = 1$
$\boxplus = 5$

$\boxplus - 5 = 3$
$\boxplus = 8$

$14 - \odot = 5$
$\odot = 9$

$\divideontimes - 9 = 4$
$\divideontimes = 13$

$5 - \hexagon = 2$
$\hexagon = 3$

$12 - \diamond = 3$
$\diamond = 9$

$12 - \square = 6$
$\square = 6$

$7 - \blacklozenge = 2$
$\blacklozenge = 5$

$6 - \nabla = 4$
$\nabla = 2$

$\heartsuit - 3 = 4$
$\heartsuit = 7$

$\divideontimes - 5 = 2$
$\divideontimes = 7$

$9 - \square = 8$
$\square = 1$

$14 - \circledast = 7$
$\circledast = 7$

$11 - \Delta = 2$
$\Delta = 9$

$\Delta - 8 = 1$
$\Delta = 9$

$\square - 6 = 8$
$\square = 14$

$11 - \lozenge = 8$
$\lozenge = 3$

$\Delta - 4 = 4$
$\Delta = 8$

$6 - \square = 4$
$\square = 2$

$9 - \frown = 2$
$\frown = 7$

$\circledcirc - 5 = 8$
$\circledcirc = 13$

$12 - \divideontimes = 5$
$\divideontimes = 7$

$16 - \spadesuit = 8$
$\spadesuit = 8$

$\frown - 5 = 5$
$\frown = 10$

$12 - \nabla = 3$
$\nabla = 9$

$\odot - 3 = 7$
$\odot = 10$

$10 - \nabla = 1$
$\nabla = 9$

$\blacklozenge - 3 = 5$
$\blacklozenge = 8$

$\blacklozenge - 4 = 5$
$\blacklozenge = 9$

$\boxplus - 3 = 3$
$\boxplus = 6$

$\diamond - 3 = 5$
$\diamond = 8$

$\blacklozenge - 4 = 2$
$\blacklozenge = 6$

$\blacksquare - 2 = 4$
$\blacksquare = 6$

$8 - \divideontimes = 7$
$\divideontimes = 1$

$\square - 1 = 5$
$\square = 6$

$\circledcirc - 8 = 6$
$\circledcirc = 14$

$5 - \circledast = 4$
$\circledast = 1$

Missing Numbers in Equations (J)

What value does each shape represent?

$10 - ◉ = 5$	$♠ - 6 = 8$	$\nabla - 1 = 1$	$□ - 6 = 4$
$⧉ - 8 = 9$	$⧖ - 5 = 5$	$⌓ - 6 = 5$	$14 - ⬠ = 9$
$12 - ♠ = 4$	$✧ - 6 = 9$	$■ - 3 = 8$	$▭ - 5 = 1$
$♡ - 1 = 3$	$\Delta - 3 = 9$	$⬡ - 7 = 4$	$7 - \Delta = 2$
$♠ - 9 = 4$	$⊛ - 1 = 1$	$3 - ♡ = 2$	$7 - ⊙ = 2$
$⧖ - 6 = 6$	$12 - ⬡ = 8$	$2 - ▭ = 1$	$8 - ♠ = 7$
$◊ - 6 = 8$	$9 - ⬡ = 4$	$\nabla - 7 = 4$	$12 - ♦ = 6$
$6 - ♠ = 1$	$⌓ - 3 = 1$	$11 - ⌓ = 9$	$4 - \nabla = 2$
$7 - ⧉ = 5$	$✧ - 4 = 6$	$14 - ■ = 5$	$⬡ - 8 = 7$
$9 - ⌓ = 8$	$※ - 4 = 5$	$※ - 8 = 7$	$10 - ▯ = 4$

Missing Numbers in Equations (J)

What value does each shape represent?

$10 - ◉ = 5$ $◉ = 5$	$♠ - 6 = 8$ $♠ = 14$	$\nabla - 1 = 1$ $\nabla = 2$	$□ - 6 = 4$ $□ = 10$
$⧉ - 8 = 9$ $⧉ = 17$	$⧖ - 5 = 5$ $⧖ = 10$	$⌓ - 6 = 5$ $⌓ = 11$	$14 - ⬠ = 9$ $⬠ = 5$
$12 - ♠ = 4$ $♠ = 8$	$✧ - 6 = 9$ $✧ = 15$	$■ - 3 = 8$ $■ = 11$	$▭ - 5 = 1$ $▭ = 6$
$♡ - 1 = 3$ $♡ = 4$	$\Delta - 3 = 9$ $\Delta = 12$	$⬡ - 7 = 4$ $⬡ = 11$	$7 - \Delta = 2$ $\Delta = 5$
$♠ - 9 = 4$ $♠ = 13$	$⊛ - 1 = 1$ $⊛ = 2$	$3 - ♡ = 2$ $♡ = 1$	$7 - ⊙ = 2$ $⊙ = 5$
$⧖ - 6 = 6$ $⧖ = 12$	$12 - ⬡ = 8$ $⬡ = 4$	$2 - ▭ = 1$ $▭ = 1$	$8 - ♠ = 7$ $♠ = 1$
$◊ - 6 = 8$ $◊ = 14$	$9 - ⬡ = 4$ $⬡ = 5$	$\nabla - 7 = 4$ $\nabla = 11$	$12 - ♦ = 6$ $♦ = 6$
$6 - ♠ = 1$ $♠ = 5$	$⌓ - 3 = 1$ $⌓ = 4$	$11 - ⌓ = 9$ $⌓ = 2$	$4 - \nabla = 2$ $\nabla = 2$
$7 - ⧉ = 5$ $⧉ = 2$	$✧ - 4 = 6$ $✧ = 10$	$14 - ■ = 5$ $■ = 9$	$⬡ - 8 = 7$ $⬡ = 15$
$9 - ⌓ = 8$ $⌓ = 1$	$※ - 4 = 5$ $※ = 9$	$※ - 8 = 7$ $※ = 15$	$10 - ▯ = 4$ $▯ = 6$