Equalities (A)

Find the value of each unknown.

2 + ✧ = 2 + 1   ◉ + 9 = 6 + 10

7 + ⌂ = 9 + 2   4 + ⊠ = 8 + 2

3 + 3 = 5 + ✳   4 + 2 = ◊ + 2

⊞ + 9 = 6 + 5   8 + 9 = 8 + Δ

⊞ + 4 = 4 + 8   4 + ⊞ = 11 + 4

4 + 3 = 3 + ■   12 + 3 = ⌸ + 9

♡ + 12 = 1 + 12   12 + 2 = ◉ + 4

✧ + 2 = 7 + 1   2 + 7 = ◠ + 2

☉ + 10 = 11 + 2   9 + 2 = 10 + ✧

11 + 6 = ⊞ + 12   5 + 2 = ⌂ + 3

Equalities (A) Answers

Find the value of each unknown.

$2 + ✧ = 2 + 1$
$✧ = 1$

$7 + ⌂ = 9 + 2$
$⌂ = 4$

$3 + 3 = 5 + ✳$
$✳ = 1$

$⊞ + 9 = 6 + 5$
$⊞ = 2$

$⊞ + 4 = 4 + 8$
$⊞ = 8$

$4 + 3 = 3 + ■$
$■ = 4$

$◇ + 12 = 1 + 12$
$◇ = 1$

$✧ + 2 = 7 + 1$
$✧ = 6$

$☉ + 10 = 11 + 2$
$☉ = 3$

$11 + 6 = ⊞ + 12$
$⊞ = 5$

$◉ + 9 = 6 + 10$
$◉ = 7$

$4 + ⊠ = 8 + 2$
$⊠ = 6$

$4 + 2 = ◊ + 2$
$◊ = 4$

$8 + 9 = 8 + Δ$
$Δ = 9$

$4 + ⊞ = 11 + 4$
$⊞ = 11$

$12 + 3 = ⊡ + 9$
$⊡ = 6$

$12 + 2 = ◉ + 4$
$◉ = 10$

$2 + 7 = ⌒ + 2$
$⌒ = 7$

$9 + 2 = 10 + ✧$
$✧ = 1$

$5 + 2 = ⌂ + 3$
$⌂ = 4$

Equalities (B)

Find the value of each unknown.

10 + ■ = 9 + 2   3 + □ = 10 + 2

5 + Δ = 7 + 2   6 + ⌂ = 2 + 8

12 + 11 = 11 + ◊   9 + 9 = ✧ + 8

○ + 9 = 8 + 2   10 + 3 = ∇ + 11

4 + 12 = 10 + ◆   9 + 7 = ✳ + 10

✳ + 2 = 3 + 1   3 + 3 = 3 + ◊

1 + 9 = ⌂ + 5   4 + ★ = 4 + 12

3 + 12 = ▭ + 9   12 + 7 = 7 + ∇

✧ + 6 = 4 + 12   ♠ + 8 = 10 + 6

1 + 11 = ▭ + 3   ⊡ + 12 = 12 + 3

Equalities (B) Answers

Find the value of each unknown.

10 + ■ = 9 + 2
■ = 1

3 + □ = 10 + 2
□ = 9

5 + Δ = 7 + 2
Δ = 4

6 + ⌂ = 2 + 8
⌂ = 4

12 + 11 = 11 + ◊
◊ = 12

9 + 9 = ✧ + 8
✧ = 10

○ + 9 = 8 + 2
○ = 1

10 + 3 = ∇ + 11
∇ = 2

4 + 12 = 10 + ◆
◆ = 6

9 + 7 = ✳ + 10
✳ = 6

✳ + 2 = 3 + 1
✳ = 2

3 + 3 = 3 + ◊
◊ = 3

1 + 9 = ⌂ + 5
⌂ = 5

4 + ✪ = 4 + 12
✪ = 12

3 + 12 = □ + 9
□ = 6

12 + 7 = 7 + ∇
∇ = 12

✧ + 6 = 4 + 12
✧ = 10

♠ + 8 = 10 + 6
♠ = 8

1 + 11 = □ + 3
□ = 9

⌸ + 12 = 12 + 3
⌸ = 3

Equalities (C)

Find the value of each unknown.

$6 + \spadesuit = 7 + 7$

$3 + 5 = 4 + \blacksquare$

$5 + 12 = 12 + \boxplus$

$5 + 12 = \heartsuit + 5$

$\lozenge + 11 = 8 + 12$

$8 + \boxplus = 9 + 11$

$12 + 8 = \square + 10$

$7 + 12 = 12 + \varhexagon$

$1 + \blacklozenge = 1 + 1$

$7 + 11 = \varhexagon + 9$

$\diamondsuit + 11 = 10 + 5$

$11 + \square = 7 + 6$

$11 + 2 = \ast + 10$

$10 + \heartsuit = 11 + 11$

$\ast + 12 = 10 + 8$

$\boxplus + 9 = 3 + 7$

$\blacksquare + 5 = 7 + 8$

$8 + 6 = \lozenge + 4$

$4 + 3 = \varhexagon + 6$

$3 + \frown = 1 + 3$

Equalities (C) Answers

Find the value of each unknown.

6 + ♠ = 7 + 7
♠ = 8

3 + 5 = 4 + ■
■ = 4

5 + 12 = 12 + ⌸
⌸ = 5

5 + 12 = ♡ + 5
♡ = 12

◊ + 11 = 8 + 12
◊ = 9

8 + ⊞ = 9 + 11
⊞ = 12

12 + 8 = ▢ + 10
▢ = 10

7 + 12 = 12 + ⌂
⌂ = 7

1 + ◆ = 1 + 1
◆ = 1

7 + 11 = ⌂ + 9
⌂ = 9

✧ + 11 = 10 + 5
✧ = 4

11 + ▯ = 7 + 6
▯ = 2

11 + 2 = ✳ + 10
✳ = 3

10 + ♡ = 11 + 11
♡ = 12

✳ + 12 = 10 + 8
✳ = 6

⊞ + 9 = 3 + 7
⊞ = 1

■ + 5 = 7 + 8
■ = 10

8 + 6 = ◊ + 4
◊ = 10

4 + 3 = ⌂ + 6
⌂ = 1

3 + ⌢ = 1 + 3
⌢ = 1

Equalities (D)

Find the value of each unknown.

12 + ⬚ = 3 + 11   4 + ⬚ = 5 + 11

9 + 4 = ⊙ + 3   6 + 3 = 2 + □

□ + 10 = 5 + 6   2 + 6 = ◉ + 2

⊞ + 7 = 8 + 11   ♦ + 8 = 6 + 11

2 + 2 = ✳ + 1   ◉ + 2 = 1 + 5

∇ + 7 = 5 + 9   4 + 6 = 4 + □

5 + 6 = 6 + ⬚   ⬚ + 1 = 4 + 9

6 + 8 = ∇ + 3   3 + 9 = 10 + ⍟

♡ + 1 = 1 + 3   12 + 1 = 9 + ⍟

♡ + 9 = 12 + 8   12 + 6 = ⍟ + 9

Equalities (D) Answers

Find the value of each unknown.

12 + ⬚ = 3 + 11
⬚ = 2

4 + ⊕ = 5 + 11
⊕ = 12

9 + 4 = ⊙ + 3
⊙ = 10

6 + 3 = 2 + □
□ = 7

□ + 10 = 5 + 6
□ = 1

2 + 6 = ◉ + 2
◉ = 6

⊞ + 7 = 8 + 11
⊞ = 12

♦ + 8 = 6 + 11
♦ = 9

2 + 2 = ✳ + 1
✳ = 3

◉ + 2 = 1 + 5
◉ = 4

∇ + 7 = 5 + 9
∇ = 7

4 + 6 = 4 + □
□ = 6

5 + 6 = 6 + ⬚
⬚ = 5

⬚ + 1 = 4 + 9
⬚ = 12

6 + 8 = ∇ + 3
∇ = 11

3 + 9 = 10 + ✪
✪ = 2

◇ + 1 = 1 + 3
◇ = 3

12 + 1 = 9 + ✪
✪ = 4

♡ + 9 = 12 + 8
♡ = 11

12 + 6 = ✪ + 9
✪ = 9

Equalities (E)

Find the value of each unknown.

3 + ⌒ = 2 + 3

11 + ◊ = 9 + 8

6 + 12 = ✻ + 7

▢ + 11 = 6 + 8

5 + 10 = ✻ + 5

✧ + 3 = 3 + 4

6 + ■ = 4 + 5

◉ + 8 = 11 + 4

12 + 4 = 5 + ▽

8 + 5 = 8 + ⌒

⌒ + 9 = 10 + 5

⊡ + 1 = 3 + 2

▽ + 3 = 1 + 4

1 + □ = 1 + 2

7 + 3 = ⌒ + 8

5 + ✪ = 10 + 6

4 + □ = 5 + 6

10 + 5 = ◊ + 11

4 + ♡ = 5 + 2

6 + ♠ = 7 + 7

Equalities (E) Answers

Find the value of each unknown.

$3 + \smile = 2 + 3$
$\smile = 2$

$\smile + 9 = 10 + 5$
$\smile = 6$

$11 + \lozenge = 9 + 8$
$\lozenge = 6$

$\boxplus + 1 = 3 + 2$
$\boxplus = 4$

$6 + 12 = \ast + 7$
$\ast = 11$

$\nabla + 3 = 1 + 4$
$\nabla = 2$

$\square + 11 = 6 + 8$
$\square = 3$

$1 + \square = 1 + 2$
$\square = 2$

$5 + 10 = \ast + 5$
$\ast = 10$

$7 + 3 = \smile + 8$
$\smile = 2$

$\diamond + 3 = 3 + 4$
$\diamond = 4$

$5 + \circledast = 10 + 6$
$\circledast = 11$

$6 + \blacksquare = 4 + 5$
$\blacksquare = 3$

$4 + \square = 5 + 6$
$\square = 7$

$\odot + 8 = 11 + 4$
$\odot = 7$

$10 + 5 = \lozenge + 11$
$\lozenge = 4$

$12 + 4 = 5 + \nabla$
$\nabla = 11$

$4 + \heartsuit = 5 + 2$
$\heartsuit = 3$

$8 + 5 = 8 + \smile$
$\smile = 5$

$6 + \spadesuit = 7 + 7$
$\spadesuit = 8$

Equalities (F)

Find the value of each unknown.

4 + □ = 9 + 5

10 + 3 = ⊞ + 7

12 + 3 = ■ + 6

2 + 8 = 9 + ♦

♦ + 3 = 3 + 1

6 + ⊠ = 6 + 7

7 + 4 = 9 + ◠

7 + ⊞ = 7 + 7

1 + 3 = 2 + ⊡

11 + ■ = 10 + 4

3 + ◊ = 5 + 8

1 + ✪ = 3 + 2

5 + 9 = ⫿ + 10

2 + 7 = ∇ + 2

7 + ◊ = 9 + 9

12 + ⊙ = 2 + 11

⊙ + 3 = 10 + 1

7 + 5 = □ + 4

6 + 1 = ◉ + 2

⬠ + 10 = 9 + 10

Equalities (F) Answers

Find the value of each unknown.

4 + □ = 9 + 5
□ = 10

10 + 3 = ⊞ + 7
⊞ = 6

12 + 3 = ■ + 6
■ = 9

2 + 8 = 9 + ♦
♦ = 1

♦ + 3 = 3 + 1
♦ = 1

6 + ⊠ = 6 + 7
⊠ = 7

7 + 4 = 9 + ⌒
⌒ = 2

7 + ⊞ = 7 + 7
⊞ = 7

1 + 3 = 2 + ⊡
⊡ = 2

11 + ■ = 10 + 4
■ = 3

3 + ◊ = 5 + 8
◊ = 10

1 + ✪ = 3 + 2
✪ = 4

5 + 9 = ▯ + 10
▯ = 4

2 + 7 = ∇ + 2
∇ = 7

7 + ◊ = 9 + 9
◊ = 11

12 + ⊙ = 2 + 11
⊙ = 1

⊙ + 3 = 10 + 1
⊙ = 8

7 + 5 = □ + 4
□ = 8

6 + 1 = ◉ + 2
◉ = 5

⬡ + 10 = 9 + 10
⬡ = 9

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Equalities (G)

Find the value of each unknown.

4 + ⊞ = 3 + 12

1 + ✪ = 4 + 8

12 + 1 = 10 + ⌒

12 + ∇ = 8 + 9

12 + 9 = ◊ + 12

9 + 12 = ♡ + 12

1 + 10 = 5 + □

8 + 10 = Δ + 12

5 + ⌒ = 3 + 7

2 + ☉ = 3 + 8

⌂ + 1 = 1 + 10

10 + 12 = ⊞ + 12

5 + ⌒ = 2 + 6

4 + 11 = ✪ + 4

8 + ∇ = 8 + 10

11 + ∇ = 10 + 12

3 + 6 = ✧ + 5

⌸ + 2 = 8 + 6

♡ + 3 = 7 + 1

7 + 10 = ⊠ + 7

Equalities (G) Answers

Find the value of each unknown.

4 + ⊞ = 3 + 12
⊞ = 11

1 + ✪ = 4 + 8
✪ = 11

12 + 1 = 10 + ◠
◠ = 3

12 + ∇ = 8 + 9
∇ = 5

12 + 9 = ◊ + 12
◊ = 9

9 + 12 = ♡ + 12
♡ = 9

1 + 10 = 5 + ▢
▢ = 6

8 + 10 = Δ + 12
Δ = 6

5 + ◠ = 3 + 7
◠ = 5

2 + ☉ = 3 + 8
☉ = 9

⌂ + 1 = 1 + 10
⌂ = 10

10 + 12 = ⊞ + 12
⊞ = 10

5 + ◠ = 2 + 6
◠ = 3

4 + 11 = ✪ + 4
✪ = 11

8 + ∇ = 8 + 10
∇ = 10

11 + ∇ = 10 + 12
∇ = 11

3 + 6 = ✧ + 5
✧ = 4

⊡ + 2 = 8 + 6
⊡ = 12

♡ + 3 = 7 + 1
♡ = 5

7 + 10 = ⋈ + 7
⋈ = 10

Equalities (H)

Find the value of each unknown.

10 + ♦ = 9 + 10

⬠ + 9 = 12 + 4

⌂ + 5 = 7 + 4

11 + 12 = ⧗ + 12

⧗ + 1 = 1 + 6

♠ + 10 = 5 + 6

1 + 3 = ⧗ + 2

10 + ★ = 7 + 12

9 + 11 = 12 + ⌹

6 + ⌷ = 8 + 8

4 + ◊ = 1 + 7

1 + 10 = ⊞ + 5

4 + ◊ = 6 + 6

4 + 12 = 12 + ◇

♦ + 1 = 6 + 1

⊙ + 6 = 5 + 4

12 + 4 = ◠ + 7

7 + ◇ = 11 + 5

3 + 4 = ✳ + 5

6 + ∇ = 5 + 8

Equalities (H) Answers

Find the value of each unknown.

10 + ◆ = 9 + 10
◆ = 9

⬠ + 9 = 12 + 4
⬠ = 7

⬠ + 5 = 7 + 4
⬠ = 6

11 + 12 = ⊠ + 12
⊠ = 11

⊠ + 1 = 1 + 6
⊠ = 6

♠ + 10 = 5 + 6
♠ = 1

1 + 3 = ⊠ + 2
⊠ = 2

10 + ✪ = 7 + 12
✪ = 9

9 + 11 = 12 + ⌗
⌗ = 8

6 + ▯ = 8 + 8
▯ = 10

4 + ◊ = 1 + 7
◊ = 4

1 + 10 = ⊞ + 5
⊞ = 6

4 + ◊ = 6 + 6
◊ = 8

4 + 12 = 12 + ⬡
⬡ = 4

◆ + 1 = 6 + 1
◆ = 6

⊙ + 6 = 5 + 4
⊙ = 3

12 + 4 = ⌒ + 7
⌒ = 9

7 + ◇ = 11 + 5
◇ = 9

3 + 4 = ✳ + 5
✳ = 2

6 + ▽ = 5 + 8
▽ = 7

Equalities (I)

Find the value of each unknown.

$6 + 1 = 3 + \triangle$

$6 + \square = 10 + 7$

$11 + 8 = 12 + \Diamond$

$3 + \square = 1 + 12$

$10 + 12 = \varhexagon + 10$

$2 + \spadesuit = 2 + 2$

$\spadesuit + 3 = 2 + 10$

$6 + \heartsuit = 3 + 5$

$1 + 9 = 4 + \heartsuit$

$7 + 4 = 8 + \nabla$

$9 + \odot = 1 + 10$

$10 + 5 = 6 + \square$

$2 + \circledast = 2 + 9$

$3 + 2 = \boxplus + 1$

$1 + \odot = 5 + 3$

$7 + 9 = \odot + 12$

$\square + 7 = 3 + 6$

$12 + 4 = 7 + \triangle$

$8 + 12 = \Delta + 11$

$\heartsuit + 12 = 11 + 11$

Equalities (I) Answers

Find the value of each unknown.

$6 + 1 = 3 + \triangle$
$\triangle = 4$

$6 + \square = 10 + 7$
$\square = 11$

$11 + 8 = 12 + \Diamond$
$\Diamond = 7$

$3 + \square = 1 + 12$
$\square = 10$

$10 + 12 = \pentagon + 10$
$\pentagon = 12$

$2 + \spadesuit = 2 + 2$
$\spadesuit = 2$

$\spadesuit + 3 = 2 + 10$
$\spadesuit = 9$

$6 + \heartsuit = 3 + 5$
$\heartsuit = 2$

$1 + 9 = 4 + \heartsuit$
$\heartsuit = 6$

$7 + 4 = 8 + \nabla$
$\nabla = 3$

$9 + \odot = 1 + 10$
$\odot = 2$

$10 + 5 = 6 + \square$
$\square = 9$

$2 + \circledast = 2 + 9$
$\circledast = 9$

$3 + 2 = \boxplus + 1$
$\boxplus = 4$

$1 + \bullet = 5 + 3$
$\bullet = 7$

$7 + 9 = \odot + 12$
$\odot = 4$

$\boxplus + 7 = 3 + 6$
$\boxplus = 2$

$12 + 4 = 7 + \triangle$
$\triangle = 9$

$8 + 12 = \Delta + 11$
$\Delta = 9$

$\heartsuit + 12 = 11 + 11$
$\heartsuit = 10$

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Equalities (J)

Find the value of each unknown.

$* + 8 = 6 + 6$

$3 + 4 = ✧ + 5$

$4 + 6 = * + 1$

$10 + * = 10 + 9$

$7 + 2 = 1 + ☉$

$12 + ∇ = 4 + 9$

$11 + 1 = ⌂ + 5$

$3 + 5 = 2 + ⊠$

$12 + 5 = ♡ + 6$

$10 + 4 = 5 + ◊$

$9 + ⌒ = 9 + 7$

$2 + 9 = 8 + ♡$

$7 + 8 = Δ + 8$

$⊙ + 10 = 7 + 4$

$3 + ⌂ = 4 + 7$

$10 + 1 = 9 + □$

$11 + ⌒ = 9 + 10$

$4 + 2 = 5 + ◇$

$9 + 4 = 12 + ★$

$⊞ + 6 = 11 + 7$

Equalities (J) Answers

Find the value of each unknown.

✳ + 8 = 6 + 6
✳ = 4

3 + 4 = ✧ + 5
✧ = 2

4 + 6 = ✳ + 1
✳ = 9

10 + ✳ = 10 + 9
✳ = 9

7 + 2 = 1 + ☉
☉ = 8

12 + ▽ = 4 + 9
▽ = 1

11 + 1 = ⌂ + 5
⌂ = 7

3 + 5 = 2 + ✗
✗ = 6

12 + 5 = ♡ + 6
♡ = 11

10 + 4 = 5 + ◊
◊ = 9

9 + ◠ = 9 + 7
◠ = 7

2 + 9 = 8 + ♡
♡ = 3

7 + 8 = Δ + 8
Δ = 7

◉ + 10 = 7 + 4
◉ = 1

3 + ⌂ = 4 + 7
⌂ = 8

10 + 1 = 9 + □
□ = 2

11 + ◠ = 9 + 10
◠ = 8

4 + 2 = 5 + ◇
◇ = 1

9 + 4 = 12 + ★
★ = 1

⊞ + 6 = 11 + 7
⊞ = 12

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