Missing Numbers in Equations (A)

What value does each shape represent?

$72 \div \nabla = 8$	$\boxtimes \div 1 = 1$	$28 \div \odot = 4$	$\boxtimes \div 1 = 3$
$8 \div \Delta = 2$	$24 \div \Delta = 4$	$32 \div \Delta = 8$	$4 \div \lozenge = 4$
$24 \div \boxplus = 4$	$56 \div \boxtimes = 8$	$36 \div \Delta = 6$	$12 \div \diamond = 2$
$\heartsuit \div 8 = 3$	$81 \div \divideontimes = 9$	$35 \div \square = 7$	$\boxplus \div 4 = 7$
$\heartsuit \div 7 = 3$	$36 \div \frown = 6$	$35 \div \odot = 5$	$5 \div \boxplus = 5$
$\hexagon \div 9 = 5$	$\square \div 6 = 8$	$\nabla \div 9 = 3$	$8 \div \boxplus = 8$
$72 \div \heartsuit = 9$	$16 \div \lozenge = 8$	$8 \div \diamond = 2$	$\boxplus \div 9 = 2$
$36 \div \pentagon = 9$	$56 \div \boxtimes = 8$	$\heartsuit \div 2 = 7$	$10 \div \square = 2$
$45 \div \blacklozenge = 5$	$28 \div \square = 4$	$18 \div \blacklozenge = 6$	$\pentagon \div 1 = 6$
$24 \div \odot = 3$	$18 \div \boxplus = 9$	$\odot \div 2 = 9$	$\diamond \div 9 = 8$

Missing Numbers in Equations (A) Answers

What value does each shape represent?

$72 \div \nabla = 8$
$\nabla = 9$

$\boxtimes \div 1 = 1$
$\boxtimes = 1$

$28 \div \odot = 4$
$\odot = 7$

$\boxtimes \div 1 = 3$
$\boxtimes = 3$

$8 \div \Delta = 2$
$\Delta = 4$

$24 \div \Delta = 4$
$\Delta = 6$

$32 \div \Delta = 8$
$\Delta = 4$

$4 \div \Diamond = 4$
$\Diamond = 1$

$24 \div \boxplus = 4$
$\boxplus = 6$

$56 \div \boxtimes = 8$
$\boxtimes = 7$

$36 \div \Delta = 6$
$\Delta = 6$

$12 \div \varolessthan = 2$
$\varolessthan = 6$

$\heartsuit \div 8 = 3$
$\heartsuit = 24$

$81 \div \divideontimes = 9$
$\divideontimes = 9$

$35 \div \square = 7$
$\square = 5$

$\boxplus \div 4 = 7$
$\boxplus = 28$

$\heartsuit \div 7 = 3$
$\heartsuit = 21$

$36 \div \frown = 6$
$\frown = 6$

$35 \div \odot = 5$
$\odot = 7$

$5 \div \boxplus = 5$
$\boxplus = 1$

$\hexagon \div 9 = 5$
$\hexagon = 45$

$\square \div 6 = 8$
$\square = 48$

$\nabla \div 9 = 3$
$\nabla = 27$

$8 \div \boxplus = 8$
$\boxplus = 1$

$72 \div \heartsuit = 9$
$\heartsuit = 8$

$16 \div \Diamond = 8$
$\Diamond = 2$

$8 \div \varolessthan = 2$
$\varolessthan = 4$

$\boxplus \div 9 = 2$
$\boxplus = 18$

$36 \div \pentagon = 9$
$\pentagon = 4$

$56 \div \boxtimes = 8$
$\boxtimes = 7$

$\heartsuit \div 2 = 7$
$\heartsuit = 14$

$10 \div \square = 2$
$\square = 5$

$45 \div \blacklozenge = 5$
$\blacklozenge = 9$

$28 \div \mathbb{I} = 4$
$\mathbb{I} = 7$

$18 \div \blacklozenge = 6$
$\blacklozenge = 3$

$\pentagon \div 1 = 6$
$\pentagon = 6$

$24 \div \odot = 3$
$\odot = 8$

$18 \div \boxplus = 9$
$\boxplus = 2$

$\odot \div 2 = 9$
$\odot = 18$

$\varolessthan \div 9 = 8$
$\varolessthan = 72$

Missing Numbers in Equations (B)

What value does each shape represent?

$30 \div \pentagon = 6$	$42 \div \Delta = 7$	$\square \div 3 = 3$	$24 \div \odot = 8$
$\divideontimes \div 6 = 5$	$\diamondsuit \div 8 = 1$	$42 \div \square = 7$	$40 \div \heartsuit = 8$
$\hexagon \div 3 = 2$	$\square \div 2 = 1$	$15 \div \blacksquare = 5$	$8 \div \spadesuit = 1$
$\diamondsuit \div 3 = 5$	$5 \div \nabla = 1$	$5 \div \boxplus = 1$	$\heartsuit \div 6 = 5$
$14 \div \lozenge = 7$	$14 \div \boxplus = 7$	$\nabla \div 2 = 7$	$10 \div \Delta = 2$
$\Delta \div 3 = 9$	$81 \div \rule{1em}{0.4pt} = 9$	$\square \div 3 = 9$	$\hexagon \div 5 = 6$
$63 \div \square = 7$	$\odot \div 8 = 9$	$\blacklozenge \div 8 = 9$	$15 \div \pentagon = 3$
$35 \div \lozenge = 5$	$21 \div \nabla = 3$	$\pentagon \div 8 = 9$	$\rule{1em}{0.4pt} \div 5 = 7$
$\diamondsuit \div 4 = 6$	$14 \div \diamondsuit = 7$	$20 \div \blacksquare = 5$	$\boxplus \div 2 = 4$
$\circledcirc \div 3 = 6$	$\boxtimes \div 6 = 3$	$10 \div \rule{1em}{0.4pt} = 2$	$\square \div 1 = 2$

Missing Numbers in Equations (B)

What value does each shape represent?

$30 \div \pentagon = 6$ $\pentagon = 5$	$42 \div \Delta = 7$ $\Delta = 6$	$\square \div 3 = 3$ $\square = 9$	$24 \div \odot = 8$ $\odot = 3$
$\divideontimes \div 6 = 5$ $\divideontimes = 30$	$\diamondsuit \div 8 = 1$ $\diamondsuit = 8$	$42 \div \square = 7$ $\square = 6$	$40 \div \heartsuit = 8$ $\heartsuit = 5$
$\hexagon \div 3 = 2$ $\hexagon = 6$	$\boxplus \div 2 = 1$ $\boxplus = 2$	$15 \div \blacksquare = 5$ $\blacksquare = 3$	$8 \div \spadesuit = 1$ $\spadesuit = 8$
$\diamondsuit \div 3 = 5$ $\diamondsuit = 15$	$5 \div \nabla = 1$ $\nabla = 5$	$5 \div \boxplus = 1$ $\boxplus = 5$	$\heartsuit \div 6 = 5$ $\heartsuit = 30$
$14 \div \lozenge = 7$ $\lozenge = 2$	$14 \div \boxplus = 7$ $\boxplus = 2$	$\nabla \div 2 = 7$ $\nabla = 14$	$10 \div \Delta = 2$ $\Delta = 5$
$\Delta \div 3 = 9$ $\Delta = 27$	$81 \div \rule{1em}{0.4pt} = 9$ $\rule{1em}{0.4pt} = 9$	$\square \div 3 = 9$ $\square = 27$	$\hexagon \div 5 = 6$ $\hexagon = 30$
$63 \div \boxplus = 7$ $\boxplus = 9$	$\odot \div 8 = 9$ $\odot = 72$	$\blacklozenge \div 8 = 9$ $\blacklozenge = 72$	$15 \div \pentagon = 3$ $\pentagon = 5$
$35 \div \lozenge = 5$ $\lozenge = 7$	$21 \div \nabla = 3$ $\nabla = 7$	$\pentagon \div 8 = 9$ $\pentagon = 72$	$\rule{1em}{0.4pt} \div 5 = 7$ $\rule{1em}{0.4pt} = 35$
$\diamondsuit \div 4 = 6$ $\diamondsuit = 24$	$14 \div \diamondsuit = 7$ $\diamondsuit = 2$	$20 \div \blacksquare = 5$ $\blacksquare = 4$	$\boxplus \div 2 = 4$ $\boxplus = 8$
$\circledcirc \div 3 = 6$ $\circledcirc = 18$	$\boxtimes \div 6 = 3$ $\boxtimes = 18$	$10 \div \rule{1em}{0.4pt} = 2$ $\rule{1em}{0.4pt} = 5$	$\square \div 1 = 2$ $\square = 2$

Missing Numbers in Equations (C)

What value does each shape represent?

$16 \div \spadesuit = 2$	$\pentagon \div 2 = 6$	$\hexagon \div 3 = 3$	$\hexagon \div 2 = 5$
$\hourglass \div 6 = 2$	$6 \div \blacklozenge = 1$	$36 \div \pentagon = 9$	$35 \div \square = 5$
$12 \div \odot = 2$	$\hexagon \div 8 = 9$	$25 \div \boxplus = 5$	$4 \div \square = 4$
$\blacksquare \div 1 = 1$	$\heartsuit \div 6 = 3$	$\Delta \div 1 = 6$	$\boxplus \div 7 = 4$
$\square \div 6 = 6$	$\circledast \div 9 = 5$	$25 \div \boxplus = 5$	$24 \div \spadesuit = 6$
$\square \div 7 = 4$	$48 \div \lozenge = 8$	$\boxplus \div 6 = 1$	$18 \div \hexagon = 2$
$\square \div 7 = 7$	$10 \div \odot = 2$	$63 \div \blacklozenge = 9$	$9 \div \hourglass = 1$
$\lozenge \div 6 = 3$	$\heartsuit \div 6 = 5$	$\square \div 5 = 2$	$\spadesuit \div 1 = 3$
$28 \div \circledast = 7$	$18 \div \lozenge = 9$	$\spadesuit \div 5 = 7$	$\lozenge \div 8 = 6$
$\square \div 4 = 3$	$2 \div \lozenge = 1$	$15 \div \hexagon = 3$	$28 \div \lozenge = 4$

Missing Numbers in Equations (C)

What value does each shape represent?

$16 \div ♠ = 2$ $♠ = 8$	$⬠ \div 2 = 6$ $⬠ = 12$	$⬡ \div 3 = 3$ $⬡ = 9$	$⬡ \div 2 = 5$ $⬡ = 10$
$⧖ \div 6 = 2$ $⧖ = 12$	$6 \div ♦ = 1$ $♦ = 6$	$36 \div ⬠ = 9$ $⬠ = 4$	$35 \div □ = 5$ $□ = 7$
$12 \div ⊙ = 2$ $⊙ = 6$	$⬡ \div 8 = 9$ $⬡ = 72$	$25 \div ⧉ = 5$ $⧉ = 5$	$4 \div □ = 4$ $□ = 1$
$■ \div 1 = 1$ $■ = 1$	$♡ \div 6 = 3$ $♡ = 18$	$Δ \div 1 = 6$ $Δ = 6$	$⊞ \div 7 = 4$ $⊞ = 28$
$□ \div 6 = 6$ $□ = 36$	$⊛ \div 9 = 5$ $⊛ = 45$	$25 \div ⧉ = 5$ $⧉ = 5$	$24 \div ♠ = 6$ $♠ = 4$
$□ \div 7 = 4$ $□ = 28$	$48 \div ◊ = 8$ $◊ = 6$	$⊞ \div 6 = 1$ $⊞ = 6$	$18 \div ⬡ = 2$ $⬡ = 9$
$□ \div 7 = 7$ $□ = 49$	$10 \div ⊙ = 2$ $⊙ = 5$	$63 \div ♦ = 9$ $♦ = 7$	$9 \div ⧖ = 1$ $⧖ = 9$
$◊ \div 6 = 3$ $◊ = 18$	$♡ \div 6 = 5$ $♡ = 30$	$□ \div 5 = 2$ $□ = 10$	$♠ \div 1 = 3$ $♠ = 3$
$28 \div ⊛ = 7$ $⊛ = 4$	$18 \div ◊ = 9$ $◊ = 2$	$♠ \div 5 = 7$ $♠ = 35$	$◊ \div 8 = 6$ $◊ = 48$
$□ \div 4 = 3$ $□ = 12$	$2 \div ◊ = 1$ $◊ = 2$	$15 \div ⬡ = 3$ $⬡ = 5$	$28 \div ◊ = 4$ $◊ = 7$

Missing Numbers in Equations (D)

What value does each shape represent?

$2 \div \blacksquare = 2$	$21 \div \spadesuit = 7$	$\nabla \div 9 = 3$	$21 \div \boxtimes = 7$
$\boxplus \div 4 = 8$	$4 \div \boxtimes = 4$	$3 \div \blacklozenge = 3$	$\circledast \div 5 = 1$
$\Delta \div 7 = 7$	$54 \div \odot = 9$	$\nabla \div 5 = 5$	$\heartsuit \div 8 = 9$
$12 \div \spadesuit = 6$	$72 \div \pentagon = 9$	$\hexagon \div 1 = 4$	$\diamondsuit \div 6 = 5$
$5 \div \boxtimes = 1$	$36 \div \divideontimes = 4$	$27 \div \odot = 3$	$\odot \div 4 = 1$
$\heartsuit \div 5 = 6$	$\boxplus \div 4 = 5$	$\odot \div 6 = 3$	$\lozenge \div 6 = 5$
$\cap \div 8 = 2$	$\lozenge \div 9 = 9$	$\circledast \div 6 = 4$	$81 \div \square = 9$
$\blacksquare \div 5 = 7$	$8 \div \square = 2$	$\divideontimes \div 6 = 9$	$45 \div \blacksquare = 9$
$\odot \div 5 = 1$	$\spadesuit \div 5 = 2$	$3 \div \boxtimes = 1$	$\boxtimes \div 8 = 6$
$\heartsuit \div 4 = 3$	$\pentagon \div 5 = 3$	$27 \div \square = 3$	$64 \div \divideontimes = 8$

Missing Numbers in Equations (D)

What value does each shape represent?

$2 \div \blacksquare = 2$
$\blacksquare = 1$

$21 \div \spadesuit = 7$
$\spadesuit = 3$

$\nabla \div 9 = 3$
$\nabla = 27$

$21 \div \boxtimes = 7$
$\boxtimes = 3$

$\boxplus \div 4 = 8$
$\boxplus = 32$

$4 \div \boxtimes = 4$
$\boxtimes = 1$

$3 \div \blacklozenge = 3$
$\blacklozenge = 1$

$\circledast \div 5 = 1$
$\circledast = 5$

$\Delta \div 7 = 7$
$\Delta = 49$

$54 \div \odot = 9$
$\odot = 6$

$\nabla \div 5 = 5$
$\nabla = 25$

$\heartsuit \div 8 = 9$
$\heartsuit = 72$

$12 \div \spadesuit = 6$
$\spadesuit = 2$

$72 \div \pentagon = 9$
$\pentagon = 8$

$\hexagon \div 1 = 4$
$\hexagon = 4$

$\diamondsuit \div 6 = 5$
$\diamondsuit = 30$

$5 \div \boxtimes = 1$
$\boxtimes = 5$

$36 \div \divideontimes = 4$
$\divideontimes = 9$

$27 \div \odot = 3$
$\odot = 9$

$\odot \div 4 = 1$
$\odot = 4$

$\heartsuit \div 5 = 6$
$\heartsuit = 30$

$\boxplus \div 4 = 5$
$\boxplus = 20$

$\odot \div 6 = 3$
$\odot = 18$

$\lozenge \div 6 = 5$
$\lozenge = 30$

$\frown \div 8 = 2$
$\frown = 16$

$\lozenge \div 9 = 9$
$\lozenge = 81$

$\circledast \div 6 = 4$
$\circledast = 24$

$81 \div \square = 9$
$\square = 9$

$\blacksquare \div 5 = 7$
$\blacksquare = 35$

$8 \div \square = 2$
$\square = 4$

$\divideontimes \div 6 = 9$
$\divideontimes = 54$

$45 \div \blacksquare = 9$
$\blacksquare = 5$

$\odot \div 5 = 1$
$\odot = 5$

$\spadesuit \div 5 = 2$
$\spadesuit = 10$

$3 \div \boxtimes = 1$
$\boxtimes = 3$

$\boxtimes \div 8 = 6$
$\boxtimes = 48$

$\heartsuit \div 4 = 3$
$\heartsuit = 12$

$\pentagon \div 5 = 3$
$\pentagon = 15$

$27 \div \square = 3$
$\square = 9$

$64 \div \divideontimes = 8$
$\divideontimes = 8$

Missing Numbers in Equations (E)

What value does each shape represent?

$6 \div ⧖ = 2$	$■ \div 4 = 5$	$⧉ \div 3 = 1$	$81 \div ♠ = 9$
$♠ \div 9 = 4$	$8 \div ⧉ = 1$	$⊛ \div 9 = 1$	$♡ \div 9 = 1$
$49 \div ♡ = 7$	$♡ \div 8 = 9$	$10 \div ⬡ = 2$	$♠ \div 1 = 2$
$✧ \div 1 = 7$	$21 \div ■ = 3$	$72 \div ※ = 8$	$\nabla \div 7 = 2$
$12 \div ⧖ = 4$	$◉ \div 5 = 6$	$5 \div ▭ = 5$	$⊙ \div 3 = 4$
$64 \div ▯ = 8$	$⬠ \div 1 = 2$	$⬡ \div 6 = 8$	$♡ \div 4 = 3$
$⧉ \div 7 = 8$	$※ \div 7 = 4$	$25 \div \nabla = 5$	$♡ \div 7 = 8$
$▯ \div 9 = 6$	$24 \div ⊞ = 4$	$⊙ \div 1 = 6$	$\Delta \div 6 = 4$
$27 \div ◉ = 9$	$6 \div □ = 6$	$⬠ \div 6 = 5$	$\nabla \div 8 = 1$
$72 \div \Delta = 8$	$♦ \div 6 = 2$	$40 \div \nabla = 8$	$▯ \div 8 = 5$

Missing Numbers in Equations (E)

What value does each shape represent?

$6 \div ⧖ = 2$
$⧖ = 3$

$■ \div 4 = 5$
$■ = 20$

$⧉ \div 3 = 1$
$⧉ = 3$

$81 \div ♠ = 9$
$♠ = 9$

$♠ \div 9 = 4$
$♠ = 36$

$8 \div ⧉ = 1$
$⧉ = 8$

$⍟ \div 9 = 1$
$⍟ = 9$

$♡ \div 9 = 1$
$♡ = 9$

$49 \div ♡ = 7$
$♡ = 7$

$♡ \div 8 = 9$
$♡ = 72$

$10 \div ⬡ = 2$
$⬡ = 5$

$♠ \div 1 = 2$
$♠ = 2$

$✧ \div 1 = 7$
$✧ = 7$

$21 \div ■ = 3$
$■ = 7$

$72 \div ※ = 8$
$※ = 9$

$\nabla \div 7 = 2$
$\nabla = 14$

$12 \div ⧖ = 4$
$⧖ = 3$

$◉ \div 5 = 6$
$◉ = 30$

$5 \div ▭ = 5$
$▭ = 1$

$⊙ \div 3 = 4$
$⊙ = 12$

$64 \div ▯ = 8$
$▯ = 8$

$⬠ \div 1 = 2$
$⬠ = 2$

$⬡ \div 6 = 8$
$⬡ = 48$

$♡ \div 4 = 3$
$♡ = 12$

$⧉ \div 7 = 8$
$⧉ = 56$

$※ \div 7 = 4$
$※ = 28$

$25 \div \nabla = 5$
$\nabla = 5$

$♡ \div 7 = 8$
$♡ = 56$

$▯ \div 9 = 6$
$▯ = 54$

$24 \div ⊞ = 4$
$⊞ = 6$

$⊙ \div 1 = 6$
$⊙ = 6$

$\Delta \div 6 = 4$
$\Delta = 24$

$27 \div ◉ = 9$
$◉ = 3$

$6 \div ▫ = 6$
$▫ = 1$

$⬠ \div 6 = 5$
$⬠ = 30$

$\nabla \div 8 = 1$
$\nabla = 8$

$72 \div \Delta = 8$
$\Delta = 9$

$♦ \div 6 = 2$
$♦ = 12$

$40 \div \nabla = 8$
$\nabla = 5$

$▯ \div 8 = 5$
$▯ = 40$

Missing Numbers in Equations (F)

What value does each shape represent?

 ÷ 3 = 8

72 ÷ Δ = 9

 ÷ 1 = 7

9 ÷ = 9

8 ÷ = 8

 ÷ 5 = 3

 ÷ 1 = 3

♦ ÷ 2 = 5

 ÷ 4 = 6

 ÷ 9 = 2

 ÷ 6 = 2

 ÷ 9 = 5

 ÷ 5 = 7

 ÷ 1 = 6

4 ÷ ∇ = 1

4 ÷ ◊ = 4

42 ÷ ♠ = 6

24 ÷ Δ = 8

 ÷ 9 = 7

6 ÷  = 3

 ÷ 9 = 9

10 ÷ □ = 5

18 ÷ ◊ = 9

 ÷ 7 = 7

25 ÷ ⬡ = 5

5 ÷  = 1

8 ÷ = 1

24 ÷ = 4

2 ÷ = 1

♦ ÷ 8 = 1

9 ÷ ◊ = 3

20 ÷  = 4

6 ÷ □ = 6

7 ÷ ⧖ = 1

40 ÷ = 8

∇ ÷ 9 = 3

45 ÷ ∇ = 9

35 ÷ ♡ = 7

□ ÷ 8 = 4

27 ÷ ⧖ = 9

Missing Numbers in Equations (F)

What value does each shape represent?

$\square \div 3 = 8$
$\square = 24$

$72 \div \Delta = 9$
$\Delta = 8$

$\square \div 1 = 7$
$\square = 7$

$9 \div \circledast = 9$
$\circledast = 1$

$8 \div \square = 8$
$\square = 1$

$\circledast \div 5 = 3$
$\circledast = 15$

$\boxplus \div 1 = 3$
$\boxplus = 3$

$\blacklozenge \div 2 = 5$
$\blacklozenge = 10$

$\circledcirc \div 4 = 6$
$\circledcirc = 24$

$\odot \div 9 = 2$
$\odot = 18$

$\odot \div 6 = 2$
$\odot = 12$

$\divideontimes \div 9 = 5$
$\divideontimes = 45$

$\diamondsuit \div 5 = 7$
$\diamondsuit = 35$

$\odot \div 1 = 6$
$\odot = 6$

$4 \div \nabla = 1$
$\nabla = 4$

$4 \div \lozenge = 4$
$\lozenge = 1$

$42 \div \spadesuit = 6$
$\spadesuit = 7$

$24 \div \Delta = 8$
$\Delta = 3$

$\square \div 9 = 7$
$\square = 63$

$6 \div \divideontimes = 3$
$\divideontimes = 2$

$\frown \div 9 = 9$
$\frown = 81$

$10 \div \square = 5$
$\square = 2$

$18 \div \lozenge = 9$
$\lozenge = 2$

$\diamondsuit \div 7 = 7$
$\diamondsuit = 49$

$25 \div \hexagon = 5$
$\hexagon = 5$

$5 \div \circledcirc = 1$
$\circledcirc = 5$

$8 \div \divideontimes = 1$
$\divideontimes = 8$

$24 \div \square = 4$
$\square = 6$

$2 \div \square = 1$
$\square = 2$

$\blacklozenge \div 8 = 1$
$\blacklozenge = 8$

$9 \div \lozenge = 3$
$\lozenge = 3$

$20 \div \odot = 4$
$\odot = 5$

$6 \div \square = 6$
$\square = 1$

$7 \div \boxtimes = 1$
$\boxtimes = 7$

$40 \div \divideontimes = 8$
$\divideontimes = 5$

$\nabla \div 9 = 3$
$\nabla = 27$

$45 \div \nabla = 9$
$\nabla = 5$

$35 \div \heartsuit = 7$
$\heartsuit = 5$

$\square \div 8 = 4$
$\square = 32$

$27 \div \boxtimes = 9$
$\boxtimes = 3$

Missing Numbers in Equations (G)

What value does each shape represent?

$4 \div \heartsuit = 1$	$\heartsuit \div 8 = 5$	$7 \div \pentagon = 7$	$12 \div \square = 6$
$\divideontimes \div 4 = 4$	$15 \div \square = 5$	$4 \div \circledcirc = 4$	$18 \div \pentagon = 9$
$\pentagon \div 6 = 7$	$9 \div \hourglass = 1$	$\blacksquare \div 1 = 9$	$\boxplus \div 5 = 4$
$16 \div \odot = 4$	$6 \div \Delta = 2$	$28 \div \frown = 7$	$16 \div \frown = 2$
$54 \div \odot = 6$	$\circledcirc \div 9 = 5$	$2 \div \lozenge = 2$	$\square \div 4 = 1$
$21 \div \frown = 3$	$27 \div \hexagon = 3$	$2 \div \spadesuit = 2$	$\circledcirc \div 4 = 4$
$6 \div \blacklozenge = 3$	$\hexagon \div 6 = 6$	$\blacklozenge \div 1 = 4$	$45 \div \Delta = 9$
$\square \div 5 = 4$	$4 \div \boxplus = 2$	$24 \div \frown = 8$	$45 \div \blacklozenge = 9$
$16 \div \hourglass = 8$	$\spadesuit \div 5 = 6$	$\square \div 4 = 1$	$8 \div \boxplus = 2$
$8 \div \square = 2$	$\heartsuit \div 8 = 7$	$3 \div \boxplus = 3$	$\hourglass \div 8 = 6$

Missing Numbers in Equations (G)

What value does each shape represent?

$4 \div \heartsuit = 1$
$\heartsuit = 4$

$\heartsuit \div 8 = 5$
$\heartsuit = 40$

$7 \div \pentagon = 7$
$\pentagon = 1$

$12 \div \square = 6$
$\square = 2$

$\divideontimes \div 4 = 4$
$\divideontimes = 16$

$15 \div \square = 5$
$\square = 3$

$4 \div \circledcirc = 4$
$\circledcirc = 1$

$18 \div \pentagon = 9$
$\pentagon = 2$

$\pentagon \div 6 = 7$
$\pentagon = 42$

$9 \div \hourglass = 1$
$\hourglass = 9$

$\blacksquare \div 1 = 9$
$\blacksquare = 9$

$\boxplus \div 5 = 4$
$\boxplus = 20$

$16 \div \odot = 4$
$\odot = 4$

$6 \div \Delta = 2$
$\Delta = 3$

$28 \div \cap = 7$
$\cap = 4$

$16 \div \cap = 2$
$\cap = 8$

$54 \div \odot = 6$
$\odot = 9$

$\circledcirc \div 9 = 5$
$\circledcirc = 45$

$2 \div \lozenge = 2$
$\lozenge = 1$

$\square \div 4 = 1$
$\square = 4$

$21 \div \cap = 3$
$\cap = 7$

$27 \div \hexagon = 3$
$\hexagon = 9$

$2 \div \spadesuit = 2$
$\spadesuit = 1$

$\circledcirc \div 4 = 4$
$\circledcirc = 16$

$6 \div \blacklozenge = 3$
$\blacklozenge = 2$

$\hexagon \div 6 = 6$
$\hexagon = 36$

$\blacklozenge \div 1 = 4$
$\blacklozenge = 4$

$45 \div \Delta = 9$
$\Delta = 5$

$\square \div 5 = 4$
$\square = 20$

$4 \div \boxplus = 2$
$\boxplus = 2$

$24 \div \cap = 8$
$\cap = 3$

$45 \div \blacklozenge = 9$
$\blacklozenge = 5$

$16 \div \hourglass = 8$
$\hourglass = 2$

$\spadesuit \div 5 = 6$
$\spadesuit = 30$

$\square \div 4 = 1$
$\square = 4$

$8 \div \boxplus = 2$
$\boxplus = 4$

$8 \div \square = 2$
$\square = 4$

$\heartsuit \div 8 = 7$
$\heartsuit = 56$

$3 \div \boxplus = 3$
$\boxplus = 1$

$\hourglass \div 8 = 6$
$\hourglass = 48$

Missing Numbers in Equations (H)

What value does each shape represent?

$2 \div \pentagon = 1$	$\blacksquare \div 9 = 1$	$\cap \div 3 = 8$	$4 \div \square = 1$
$9 \div \square = 3$	$\blacksquare \div 7 = 5$	$\boxplus \div 1 = 9$	$54 \div \circledast = 6$
$42 \div \spadesuit = 7$	$24 \div \boxplus = 8$	$\pentagon \div 8 = 4$	$72 \div \cap = 8$
$18 \div \cap = 6$	$21 \div \Delta = 3$	$\hexagon \div 8 = 3$	$14 \div \square = 7$
$\lozenge \div 4 = 7$	$24 \div \diamondsuit = 8$	$8 \div \divideontimes = 4$	$72 \div \Delta = 8$
$\boxplus \div 8 = 2$	$\spadesuit \div 3 = 7$	$48 \div \nabla = 6$	$9 \div \boxplus = 9$
$5 \div \pentagon = 1$	$\pentagon \div 2 = 2$	$\circledast \div 4 = 6$	$\pentagon \div 7 = 3$
$6 \div \hourglass = 1$	$\diamondsuit \div 4 = 2$	$\circledcirc \div 5 = 3$	$8 \div \Delta = 1$
$36 \div \blacksquare = 9$	$\circledcirc \div 7 = 1$	$20 \div \circledast = 5$	$45 \div \boxplus = 9$
$25 \div \hourglass = 5$	$\diamondsuit \div 7 = 9$	$\boxplus \div 5 = 4$	$\lozenge \div 2 = 4$

Missing Numbers in Equations (H)

What value does each shape represent?

$2 \div \bigcirc = 1$ $\bigcirc = 2$	$\blacksquare \div 9 = 1$ $\blacksquare = 9$	$\cap \div 3 = 8$ $\cap = 24$	$4 \div \square = 1$ $\square = 4$
$9 \div \square = 3$ $\square = 3$	$\blacksquare \div 7 = 5$ $\blacksquare = 35$	$\boxplus \div 1 = 9$ $\boxplus = 9$	$54 \div \circledast = 6$ $\circledast = 9$
$42 \div \spadesuit = 7$ $\spadesuit = 6$	$24 \div \boxplus = 8$ $\boxplus = 3$	$\bigcirc \div 8 = 4$ $\bigcirc = 32$	$72 \div \cap = 8$ $\cap = 9$
$18 \div \cap = 6$ $\cap = 3$	$21 \div \Delta = 3$ $\Delta = 7$	$\bigcirc \div 8 = 3$ $\bigcirc = 24$	$14 \div \square = 7$ $\square = 2$
$\Diamond \div 4 = 7$ $\Diamond = 28$	$24 \div \diamondsuit = 8$ $\diamondsuit = 3$	$8 \div \divideontimes = 4$ $\divideontimes = 2$	$72 \div \Delta = 8$ $\Delta = 9$
$\boxplus \div 8 = 2$ $\boxplus = 16$	$\spadesuit \div 3 = 7$ $\spadesuit = 21$	$48 \div \nabla = 6$ $\nabla = 8$	$9 \div \boxplus = 9$ $\boxplus = 1$
$5 \div \bigcirc = 1$ $\bigcirc = 5$	$\bigcirc \div 2 = 2$ $\bigcirc = 4$	$\circledast \div 4 = 6$ $\circledast = 24$	$\bigcirc \div 7 = 3$ $\bigcirc = 21$
$6 \div \Box = 1$ $\Box = 6$	$\diamondsuit \div 4 = 2$ $\diamondsuit = 8$	$\circledcirc \div 5 = 3$ $\circledcirc = 15$	$8 \div \Delta = 1$ $\Delta = 8$
$36 \div \blacksquare = 9$ $\blacksquare = 4$	$\circledcirc \div 7 = 1$ $\circledcirc = 7$	$20 \div \circledast = 5$ $\circledast = 4$	$45 \div \boxplus = 9$ $\boxplus = 5$
$25 \div \Box = 5$ $\Box = 5$	$\diamondsuit \div 7 = 9$ $\diamondsuit = 63$	$\boxplus \div 5 = 4$ $\boxplus = 20$	$\Diamond \div 2 = 4$ $\Diamond = 8$

Missing Numbers in Equations (I)

What value does each shape represent?

$45 \div \circledast = 9$	$8 \div ⧉ = 1$	$45 \div ▯ = 5$	$6 \div ◊ = 6$
$\nabla \div 9 = 2$	$6 \div ♡ = 3$	$16 \div ♡ = 2$	$27 \div ✧ = 3$
$♡ \div 8 = 3$	$▯ \div 4 = 3$	$⬠ \div 4 = 8$	$10 \div ▭ = 5$
$25 \div ♦ = 5$	$■ \div 4 = 1$	$72 \div ⧉ = 9$	$54 \div ♦ = 9$
$48 \div ⊙ = 8$	$♠ \div 5 = 1$	$♠ \div 2 = 8$	$54 \div ■ = 9$
$24 \div ◉ = 3$	$♠ \div 5 = 6$	$⧖ \div 5 = 9$	$32 \div ⧉ = 4$
$10 \div ▭ = 5$	$54 \div ✧ = 9$	$✧ \div 2 = 8$	$2 \div ⬠ = 1$
$4 \div \Delta = 4$	$◊ \div 4 = 1$	$✧ \div 8 = 9$	$35 \div ◊ = 5$
$10 \div \nabla = 2$	$◉ \div 9 = 2$	$◊ \div 8 = 7$	$30 \div ⊞ = 6$
$7 \div ■ = 1$	$□ \div 5 = 3$	$◊ \div 7 = 8$	$⊙ \div 9 = 6$

Missing Numbers in Equations (I)

What value does each shape represent?

$45 \div ⊛ = 9$ $⊛ = 5$	$8 \div ⧉ = 1$ $⧉ = 8$	$45 \div ▯ = 5$ $▯ = 9$	$6 \div ◊ = 6$ $◊ = 1$
$\nabla \div 9 = 2$ $\nabla = 18$	$6 \div ♡ = 3$ $♡ = 2$	$16 \div ♡ = 2$ $♡ = 8$	$27 \div ✧ = 3$ $✧ = 9$
$♡ \div 8 = 3$ $♡ = 24$	$▯ \div 4 = 3$ $▯ = 12$	$⬠ \div 4 = 8$ $⬠ = 32$	$10 \div ▭ = 5$ $▭ = 2$
$25 \div ♦ = 5$ $♦ = 5$	$■ \div 4 = 1$ $■ = 4$	$72 \div ⧉ = 9$ $⧉ = 8$	$54 \div ♦ = 9$ $♦ = 6$
$48 \div ⊙ = 8$ $⊙ = 6$	$♠ \div 5 = 1$ $♠ = 5$	$♠ \div 2 = 8$ $♠ = 16$	$54 \div ■ = 9$ $■ = 6$
$24 \div ◉ = 3$ $◉ = 8$	$♠ \div 5 = 6$ $♠ = 30$	$⧖ \div 5 = 9$ $⧖ = 45$	$32 \div ⧉ = 4$ $⧉ = 8$
$10 \div ▭ = 5$ $▭ = 2$	$54 \div ✧ = 9$ $✧ = 6$	$✧ \div 2 = 8$ $✧ = 16$	$2 \div ⬠ = 1$ $⬠ = 2$
$4 \div \Delta = 4$ $\Delta = 1$	$◊ \div 4 = 1$ $◊ = 4$	$✧ \div 8 = 9$ $✧ = 72$	$35 \div ◊ = 5$ $◊ = 7$
$10 \div \nabla = 2$ $\nabla = 5$	$◉ \div 9 = 2$ $◉ = 18$	$◊ \div 8 = 7$ $◊ = 56$	$30 \div ⊞ = 6$ $⊞ = 5$
$7 \div ■ = 1$ $■ = 7$	$□ \div 5 = 3$ $□ = 15$	$◊ \div 7 = 8$ $◊ = 56$	$⊙ \div 9 = 6$ $⊙ = 54$

Missing Numbers in Equations (J)

What value does each shape represent?

▭ ÷ 4 = 1	※ ÷ 4 = 1	▯ ÷ 7 = 1	56 ÷ Δ = 8
♦ ÷ 4 = 4	✧ ÷ 1 = 9	♠ ÷ 4 = 6	◉ ÷ 7 = 6
⬠ ÷ 3 = 5	14 ÷ ■ = 7	▭ ÷ 5 = 1	8 ÷ ⧉ = 8
⧖ ÷ 1 = 8	□ ÷ 7 = 7	◊ ÷ 2 = 6	32 ÷ ⌓ = 8
48 ÷ Δ = 8	▯ ÷ 9 = 2	※ ÷ 1 = 1	⊞ ÷ 4 = 9
81 ÷ ⌓ = 9	♡ ÷ 2 = 7	⊛ ÷ 5 = 5	56 ÷ ⬠ = 7
⬠ ÷ 5 = 8	5 ÷ ⊙ = 1	♡ ÷ 5 = 4	54 ÷ ⊛ = 6
Δ ÷ 5 = 5	⧖ ÷ 5 = 6	⬠ ÷ 1 = 8	18 ÷ ▯ = 6
⧉ ÷ 9 = 2	12 ÷ ⧉ = 4	1 ÷ ♦ = 1	42 ÷ ♠ = 7
♡ ÷ 6 = 2	⧉ ÷ 4 = 3	35 ÷ ▭ = 5	◊ ÷ 3 = 3

Missing Numbers in Equations (J)

What value does each shape represent?

$\square \div 4 = 1$
$\square = 4$

$\divideontimes \div 4 = 1$
$\divideontimes = 4$

$\square \div 7 = 1$
$\square = 7$

$56 \div \Delta = 8$
$\Delta = 7$

$\blacklozenge \div 4 = 4$
$\blacklozenge = 16$

$\diamond \div 1 = 9$
$\diamond = 9$

$\spadesuit \div 4 = 6$
$\spadesuit = 24$

$\circledcirc \div 7 = 6$
$\circledcirc = 42$

$\pentagon \div 3 = 5$
$\pentagon = 15$

$14 \div \blacksquare = 7$
$\blacksquare = 2$

$\square \div 5 = 1$
$\square = 5$

$8 \div \boxplus = 8$
$\boxplus = 1$

$\boxtimes \div 1 = 8$
$\boxtimes = 8$

$\square \div 7 = 7$
$\square = 49$

$\lozenge \div 2 = 6$
$\lozenge = 12$

$32 \div \frown = 8$
$\frown = 4$

$48 \div \Delta = 8$
$\Delta = 6$

$\square \div 9 = 2$
$\square = 18$

$\divideontimes \div 1 = 1$
$\divideontimes = 1$

$\boxplus \div 4 = 9$
$\boxplus = 36$

$81 \div \frown = 9$
$\frown = 9$

$\heartsuit \div 2 = 7$
$\heartsuit = 14$

$\circledstar \div 5 = 5$
$\circledstar = 25$

$56 \div \pentagon = 7$
$\pentagon = 8$

$\pentagon \div 5 = 8$
$\pentagon = 40$

$5 \div \odot = 1$
$\odot = 5$

$\heartsuit \div 5 = 4$
$\heartsuit = 20$

$54 \div \circledstar = 6$
$\circledstar = 9$

$\Delta \div 5 = 5$
$\Delta = 25$

$\boxtimes \div 5 = 6$
$\boxtimes = 30$

$\pentagon \div 1 = 8$
$\pentagon = 8$

$18 \div \square = 6$
$\square = 3$

$\boxplus \div 9 = 2$
$\boxplus = 18$

$12 \div \boxplus = 4$
$\boxplus = 3$

$1 \div \blacklozenge = 1$
$\blacklozenge = 1$

$42 \div \spadesuit = 7$
$\spadesuit = 6$

$\heartsuit \div 6 = 2$
$\heartsuit = 12$

$\boxplus \div 4 = 3$
$\boxplus = 12$

$35 \div \square = 5$
$\square = 7$

$\lozenge \div 3 = 3$
$\lozenge = 9$