

# Solving Simple Equations (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $93 = 180 - z$

2.  $21 = 112 - i$

3.  $q + -77 = -80$

4.  $93 = 30 - e$

5.  $28 - v = -42$

6.  $-95 = l + -54$

7.  $u + -4 = -33$

8.  $118 - p = 60$

9.  $j + 88 = 103$

10.  $17 = t + 85$

11.  $36 = b + 68$

12.  $-88 = -150 - x$

13.  $-78 = -142 - a$

14.  $20 = y + -50$

15.  $48 - d = -11$

16.  $81 = c + 41$

17.  $-17 = 38 - g$

18.  $f + -21 = -112$

19.  $w + 59 = 68$

20.  $9 = m + 49$

# Solving Simple Equations (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $93 = 180 - z$

$z = 87$

2.  $21 = 112 - i$

$i = 91$

3.  $q + -77 = -80$

$q = -3$

4.  $93 = 30 - e$

$e = -63$

5.  $28 - v = -42$

$v = 70$

6.  $-95 = l + -54$

$l = -41$

7.  $u + -4 = -33$

$u = -29$

8.  $118 - p = 60$

$p = 58$

9.  $j + 88 = 103$

$j = 15$

10.  $17 = t + 85$

$t = -68$

11.  $36 = b + 68$

$b = -32$

12.  $-88 = -150 - x$

$x = -62$

13.  $-78 = -142 - a$

$a = -64$

14.  $20 = y + -50$

$y = 70$

15.  $48 - d = -11$

$d = 59$

16.  $81 = c + 41$

$c = 40$

17.  $-17 = 38 - g$

$g = 55$

18.  $f + -21 = -112$

$f = -91$

19.  $w + 59 = 68$

$w = 9$

20.  $9 = m + 49$

$m = -40$

## Solving Simple Equations (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $k + 20 = -75$

2.  $-32 = f + -40$

3.  $89 = v + 70$

4.  $n + -41 = -125$

5.  $w + 44 = 9$

6.  $73 - g = -20$

7.  $-21 - d = 65$

8.  $-19 = c + -7$

9.  $-90 = t + -50$

10.  $p + -47 = 35$

11.  $i + 74 = 5$

12.  $25 = m + -9$

13.  $-86 - x = -24$

14.  $16 - y = 79$

15.  $9 - e = -72$

16.  $b + 89 = 157$

17.  $u + -24 = 22$

18.  $-2 - h = -73$

19.  $-7 - z = -30$

20.  $-145 - o = -72$

## Solving Simple Equations (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $k + 20 = -75$

$k = -95$

2.  $-32 = f + -40$

$f = 8$

3.  $89 = v + 70$

$v = 19$

4.  $n + -41 = -125$

$n = -84$

5.  $w + 44 = 9$

$w = -35$

6.  $73 - g = -20$

$g = 93$

7.  $-21 - d = 65$

$d = -86$

8.  $-19 = c + -7$

$c = -12$

9.  $-90 = t + -50$

$t = -40$

10.  $p + -47 = 35$

$p = 82$

11.  $i + 74 = 5$

$i = -69$

12.  $25 = m + -9$

$m = 34$

13.  $-86 - x = -24$

$x = -62$

14.  $16 - y = 79$

$y = -63$

15.  $9 - e = -72$

$e = 81$

16.  $b + 89 = 157$

$b = 68$

17.  $u + -24 = 22$

$u = 46$

18.  $-2 - h = -73$

$h = 71$

19.  $-7 - z = -30$

$z = 23$

20.  $-145 - o = -72$

$o = -73$

# Solving Simple Equations (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $y + 8 = -59$

2.  $-3 - s = -69$

3.  $q + 23 = -44$

4.  $-107 - i = -61$

5.  $135 = z + 36$

6.  $27 = b + -48$

7.  $-51 = 30 - u$

8.  $l + 78 = 71$

9.  $25 - k = 26$

10.  $r + 10 = 96$

11.  $149 - g = 71$

12.  $-63 = p + -53$

13.  $-72 = -131 - x$

14.  $56 = m + 71$

15.  $2 = o + 68$

16.  $-18 = w + -87$

17.  $-71 = n + -71$

18.  $-16 = a + -84$

19.  $-90 = -67 - j$

20.  $68 = 91 - e$

# Solving Simple Equations (C) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $y + 8 = -59$

$y = -67$

2.  $-3 - s = -69$

$s = 66$

3.  $q + 23 = -44$

$q = -67$

4.  $-107 - i = -61$

$i = -46$

5.  $135 = z + 36$

$z = 99$

6.  $27 = b + -48$

$b = 75$

7.  $-51 = 30 - u$

$u = 81$

8.  $l + 78 = 71$

$l = -7$

9.  $25 - k = 26$

$k = -1$

10.  $r + 10 = 96$

$r = 86$

11.  $149 - g = 71$

$g = 78$

12.  $-63 = p + -53$

$p = -10$

13.  $-72 = -131 - x$

$x = -59$

14.  $56 = m + 71$

$m = -15$

15.  $2 = o + 68$

$o = -66$

16.  $-18 = w + -87$

$w = 69$

17.  $-71 = n + -71$

$n = 0$

18.  $-16 = a + -84$

$a = 68$

19.  $-90 = -67 - j$

$j = 23$

20.  $68 = 91 - e$

$e = 23$

## Solving Simple Equations (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $5 - h = 98$

2.  $-94 - u = -33$

3.  $-43 = z + 23$

4.  $-2 - g = -31$

5.  $-7 - w = 38$

6.  $-3 - c = -89$

7.  $m + 35 = 123$

8.  $-42 = f + 19$

9.  $25 = a + 19$

10.  $l + -86 = 9$

11.  $-28 = -32 - r$

12.  $x + 85 = 24$

13.  $93 = 13 - s$

14.  $143 = v + 61$

15.  $51 - o = 55$

16.  $i + -46 = 49$

17.  $-13 = -68 - n$

18.  $j + -5 = -9$

19.  $-24 = b + 2$

20.  $104 - d = 86$

## Solving Simple Equations (D) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $5 - h = 98$

$h = -93$

2.  $-94 - u = -33$

$u = -61$

3.  $-43 = z + 23$

$z = -66$

4.  $-2 - g = -31$

$g = 29$

5.  $-7 - w = 38$

$w = -45$

6.  $-3 - c = -89$

$c = 86$

7.  $m + 35 = 123$

$m = 88$

8.  $-42 = f + 19$

$f = -61$

9.  $25 = a + 19$

$a = 6$

10.  $l + -86 = 9$

$l = 95$

11.  $-28 = -32 - r$

$r = -4$

12.  $x + 85 = 24$

$x = -61$

13.  $93 = 13 - s$

$s = -80$

14.  $143 = v + 61$

$v = 82$

15.  $51 - o = 55$

$o = -4$

16.  $i + -46 = 49$

$i = 95$

17.  $-13 = -68 - n$

$n = -55$

18.  $j + -5 = -9$

$j = -4$

19.  $-24 = b + 2$

$b = -26$

20.  $104 - d = 86$

$d = 18$



# Solving Simple Equations (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $-11 = 53 - h$

2.  $j + 48 = -40$

3.  $i + 45 = -3$

4.  $-8 = 65 - q$

5.  $19 = -55 - l$

6.  $96 = w + 86$

7.  $c + 3 = -18$

8.  $40 = n + 48$

9.  $x + -71 = -76$

10.  $-52 - v = 45$

11.  $p + 18 = -29$

12.  $y + 75 = 48$

13.  $34 = b + -49$

14.  $-111 = f + -74$

15.  $121 - e = 92$

16.  $44 = 112 - s$

17.  $-28 = -20 - z$

18.  $-61 = -24 - r$

19.  $g + -83 = -35$

20.  $75 = 56 - d$

# Solving Simple Equations (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $-11 = 53 - h$

$h = 64$

2.  $j + 48 = -40$

$j = -88$

3.  $i + 45 = -3$

$i = -48$

4.  $-8 = 65 - q$

$q = 73$

5.  $19 = -55 - l$

$l = -74$

6.  $96 = w + 86$

$w = 10$

7.  $c + 3 = -18$

$c = -21$

8.  $40 = n + 48$

$n = -8$

9.  $x + -71 = -76$

$x = -5$

10.  $-52 - v = 45$

$v = -97$

11.  $p + 18 = -29$

$p = -47$

12.  $y + 75 = 48$

$y = -27$

13.  $34 = b + -49$

$b = 83$

14.  $-111 = f + -74$

$f = -37$

15.  $121 - e = 92$

$e = 29$

16.  $44 = 112 - s$

$s = 68$

17.  $-28 = -20 - z$

$z = 8$

18.  $-61 = -24 - r$

$r = 37$

19.  $g + -83 = -35$

$g = 48$

20.  $75 = 56 - d$

$d = -19$

# Solving Simple Equations (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $a + 36 = -21$

2.  $117 = q + 56$

3.  $-70 - k = -83$

4.  $m + -78 = -35$

5.  $-55 = 31 - h$

6.  $19 = -55 - g$

7.  $s + -60 = 0$

8.  $15 - x = 32$

9.  $-102 - l = -5$

10.  $-93 = -54 - p$

11.  $100 - v = 19$

12.  $z + -6 = -60$

13.  $119 - j = 77$

14.  $-25 = d + -54$

15.  $61 - f = -38$

16.  $13 = -75 - e$

17.  $y + -61 = 11$

18.  $-35 = o + 7$

19.  $51 - t = 52$

20.  $u + 89 = 97$

# Solving Simple Equations (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $a + 36 = -21$

$a = -57$

2.  $117 = q + 56$

$q = 61$

3.  $-70 - k = -83$

$k = 13$

4.  $m + -78 = -35$

$m = 43$

5.  $-55 = 31 - h$

$h = 86$

6.  $19 = -55 - g$

$g = -74$

7.  $s + -60 = 0$

$s = 60$

8.  $15 - x = 32$

$x = -17$

9.  $-102 - l = -5$

$l = -97$

10.  $-93 = -54 - p$

$p = 39$

11.  $100 - v = 19$

$v = 81$

12.  $z + -6 = -60$

$z = -54$

13.  $119 - j = 77$

$j = 42$

14.  $-25 = d + -54$

$d = 29$

15.  $61 - f = -38$

$f = 99$

16.  $13 = -75 - e$

$e = -88$

17.  $y + -61 = 11$

$y = 72$

18.  $-35 = o + 7$

$o = -42$

19.  $51 - t = 52$

$t = -1$

20.  $u + 89 = 97$

$u = 8$

# Solving Simple Equations (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $-72 = g + -95$

2.  $-95 - p = -31$

3.  $l + 70 = -21$

4.  $-24 = -59 - c$

5.  $-40 = m + 3$

6.  $50 = a + 9$

7.  $-5 = 21 - o$

8.  $58 = 90 - s$

9.  $-12 = x + 51$

10.  $78 = 103 - b$

11.  $55 = q + 75$

12.  $y + -70 = -59$

13.  $f + 14 = 35$

14.  $n + 40 = 22$

15.  $37 - i = 9$

16.  $v + -10 = -13$

17.  $-56 = j + -22$

18.  $r + -83 = -167$

19.  $-110 = u + -60$

20.  $-17 = t + 64$

# Solving Simple Equations (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $-72 = g + -95$

$g = 23$

2.  $-95 - p = -31$

$p = -64$

3.  $l + 70 = -21$

$l = -91$

4.  $-24 = -59 - c$

$c = -35$

5.  $-40 = m + 3$

$m = -43$

6.  $50 = a + 9$

$a = 41$

7.  $-5 = 21 - o$

$o = 26$

8.  $58 = 90 - s$

$s = 32$

9.  $-12 = x + 51$

$x = -63$

10.  $78 = 103 - b$

$b = 25$

11.  $55 = q + 75$

$q = -20$

12.  $y + -70 = -59$

$y = 11$

13.  $f + 14 = 35$

$f = 21$

14.  $n + 40 = 22$

$n = -18$

15.  $37 - i = 9$

$i = 28$

16.  $v + -10 = -13$

$v = -3$

17.  $-56 = j + -22$

$j = -34$

18.  $r + -83 = -167$

$r = -84$

19.  $-110 = u + -60$

$u = -50$

20.  $-17 = t + 64$

$t = -81$

# Solving Simple Equations (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $-14 - u = 54$

2.  $b + 59 = -27$

3.  $-154 - m = -59$

4.  $q + -15 = 34$

5.  $p + 59 = 16$

6.  $h + -1 = -51$

7.  $g + 29 = -42$

8.  $-77 = -166 - l$

9.  $146 = n + 57$

10.  $r + -77 = -18$

11.  $71 - s = 29$

12.  $71 = -2 - x$

13.  $v + -22 = -71$

14.  $-25 = 5 - t$

15.  $d + 62 = -9$

16.  $35 = e + -8$

17.  $7 = z + 86$

18.  $92 = c + 82$

19.  $-107 = k + -64$

20.  $82 = 64 - o$

# Solving Simple Equations (H) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $-14 - u = 54$

$u = -68$

2.  $b + 59 = -27$

$b = -86$

3.  $-154 - m = -59$

$m = -95$

4.  $q + -15 = 34$

$q = 49$

5.  $p + 59 = 16$

$p = -43$

6.  $h + -1 = -51$

$h = -50$

7.  $g + 29 = -42$

$g = -71$

8.  $-77 = -166 - l$

$l = -89$

9.  $146 = n + 57$

$n = 89$

10.  $r + -77 = -18$

$r = 59$

11.  $71 - s = 29$

$s = 42$

12.  $71 = -2 - x$

$x = -73$

13.  $v + -22 = -71$

$v = -49$

14.  $-25 = 5 - t$

$t = 30$

15.  $d + 62 = -9$

$d = -71$

16.  $35 = e + -8$

$e = 43$

17.  $7 = z + 86$

$z = -79$

18.  $92 = c + 82$

$c = 10$

19.  $-107 = k + -64$

$k = -43$

20.  $82 = 64 - o$

$o = -18$



# Solving Simple Equations (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $o + 53 = 38$

2.  $f + -80 = -8$

3.  $149 - c = 85$

4.  $-106 = w + -72$

5.  $-53 = 24 - v$

6.  $-104 - q = -66$

7.  $78 = 5 - b$

8.  $36 - z = -1$

9.  $-25 = m + -94$

10.  $-7 - x = -79$

11.  $j + 9 = 90$

12.  $e + -43 = -101$

13.  $31 = 3 - a$

14.  $-144 - l = -54$

15.  $i + 20 = -19$

16.  $p + 95 = 148$

17.  $98 - t = 80$

18.  $9 = -44 - n$

19.  $38 = -21 - u$

20.  $g + -91 = 3$

# Solving Simple Equations (I) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $o + 53 = 38$

$o = -15$

2.  $f + -80 = -8$

$f = 72$

3.  $149 - c = 85$

$c = 64$

4.  $-106 = w + -72$

$w = -34$

5.  $-53 = 24 - v$

$v = 77$

6.  $-104 - q = -66$

$q = -38$

7.  $78 = 5 - b$

$b = -73$

8.  $36 - z = -1$

$z = 37$

9.  $-25 = m + -94$

$m = 69$

10.  $-7 - x = -79$

$x = 72$

11.  $j + 9 = 90$

$j = 81$

12.  $e + -43 = -101$

$e = -58$

13.  $31 = 3 - a$

$a = -28$

14.  $-144 - l = -54$

$l = -90$

15.  $i + 20 = -19$

$i = -39$

16.  $p + 95 = 148$

$p = 53$

17.  $98 - t = 80$

$t = 18$

18.  $9 = -44 - n$

$n = -53$

19.  $38 = -21 - u$

$u = -59$

20.  $g + -91 = 3$

$g = 94$

# Solving Simple Equations (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $56 - j = 3$

2.  $i + 11 = 39$

3.  $y + 33 = 20$

4.  $-21 = 21 - g$

5.  $v + -65 = -161$

6.  $72 - b = 29$

7.  $-92 = f + -15$

8.  $-171 - a = -80$

9.  $-79 = -10 - k$

10.  $-83 - h = -56$

11.  $8 = -34 - o$

12.  $-104 = s + -53$

13.  $-88 = -23 - w$

14.  $l + -93 = -85$

15.  $-195 = r + -96$

16.  $-75 - n = -25$

17.  $0 = d + -53$

18.  $61 = c + 80$

19.  $t + -11 = -58$

20.  $46 - x = 75$

# Solving Simple Equations (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Determine the value of each unknown.

1.  $56 - j = 3$

$j = 53$

2.  $i + 11 = 39$

$i = 28$

3.  $y + 33 = 20$

$y = -13$

4.  $-21 = 21 - g$

$g = 42$

5.  $v + -65 = -161$

$v = -96$

6.  $72 - b = 29$

$b = 43$

7.  $-92 = f + -15$

$f = -77$

8.  $-171 - a = -80$

$a = -91$

9.  $-79 = -10 - k$

$k = 69$

10.  $-83 - h = -56$

$h = -27$

11.  $8 = -34 - o$

$o = -42$

12.  $-104 = s + -53$

$s = -51$

13.  $-88 = -23 - w$

$w = 65$

14.  $l + -93 = -85$

$l = 8$

15.  $-195 = r + -96$

$r = -99$

16.  $-75 - n = -25$

$n = -50$

17.  $0 = d + -53$

$d = 53$

18.  $61 = c + 80$

$c = -19$

19.  $t + -11 = -58$

$t = -47$

20.  $46 - x = 75$

$x = -29$