Books Never Written

Key

- *Take a Breather*   by   J U S t i n   H a l e
  $\overline{99}\ \overline{6}\ \overline{-10}\ \overline{-48}\ \overline{9}\ \overline{8}\ \ \overline{-75}\ \overline{-64}\ \overline{-1}\ \overline{-84}\ \overline{160}$

- *Fatherly Advice*   by   B u c k   L   u p s o n
  $\overline{-5}\ \overline{6}\ \overline{-7}\ \overline{18}\ \ \overline{13}\ \ \overline{-84}\ \overline{24}\ \ \overline{6}\ \ \overline{4}\ \ \overline{-10}\ \overline{100}\ \overline{8}$

- *I Lost Every Game*   by   O w e n   e   L e v i n
  $\overline{100}\ \overline{3}\ \overline{160}\ \overline{8}\ \ \overline{185}\ \overline{160}\ \overline{-2}\ \ \overline{-84}\ \overline{160}\ \overline{-36}\ \overline{9}\ \overline{8}$

Find each solution in the code. Every time it appears, write the letter of the exercise above it.

(P) $3n + 8 = 20$

$3n + 8 - 8 = 20 - 8$

$\dfrac{3n}{3} = \dfrac{12}{3}$

$\boxed{n = 4}$

(S) $2d - 9 = -29$

$2d - 9 + 9 = -29 + 9$

$\dfrac{2d}{2} = \dfrac{-20}{2}$

$\boxed{d = -10}$

(N) $\dfrac{x}{2} + 7 = 11$

$\dfrac{x}{2} + 7 - 7 = 11 - 7$

$\dfrac{x}{2}(2) = 4 \cdot (2)$

$\boxed{x = 8}$

(K) $\dfrac{v}{-6} + 2 = -1$

$\dfrac{v}{-6} + 2 - 2 = -1 - 2$

$\dfrac{v}{-6} \cdot (-6) = -3 \cdot (-6)$

$\boxed{v = 18}$

(B) $12y + 25 = -35$

$12y + 25 - 25 = -35 - 25$

$\dfrac{12y}{12} = \dfrac{-60}{12}$

$\boxed{y = -5}$

(U) The product of a number and 9, increased by 4, is 58. Find the number.

$9x + 4 = 58$

$9x + 4 - 4 = 58 - 4$

$\dfrac{9x}{9} = \dfrac{54}{9}$

$\boxed{x = 6}$

(I) $7x - 2 = 61$

$7x - 2 + 2 = 61 + 2$

$\dfrac{7x}{7} = \dfrac{63}{7}$

$\boxed{x = 9}$

(W) $-4y + 16 = 4$

$-4y + 16 - 16 = 4 - 16$

$\dfrac{-4y}{-4} = \dfrac{-12}{-4}$

$\boxed{y = 3}$

(J) $\dfrac{k}{9} - 1 = 10$

$\dfrac{k}{9} - 1 + 1 = 10 + 1$

$\dfrac{k}{9}(9) = 11 \cdot (9)$

$\boxed{k = 99}$

(H) $\dfrac{n}{8} - 3 = -11$

$\dfrac{n}{8} - 3 + 3 = -11 + 3$

$\dfrac{n}{8}(8) = -8 \cdot (8)$

$\boxed{n = -64}$

(T) $\dfrac{-x}{3} + 4 = 20$

$\dfrac{-x}{3} + 4 - 4 = 20 - 4$

$\dfrac{-x}{3} \cdot (-3) = 16 \cdot (-3)$

$\boxed{x = -48}$

(L) The quotient of a number and −7, decreased by 2, is 10. Find the number.

$\dfrac{x}{-7} - 2 = 10$

$\dfrac{x}{-7} - 2 + 2 = 10 + 2$

$\dfrac{x}{-7} \cdot (-7) = 12 \cdot (-7)$

$\boxed{x = -84}$

(C) $-5u + 6 = 41$

$-5u + 6 - 6 = 41 - 6$

$\dfrac{-5u}{-5} = \dfrac{35}{-5}$

$\boxed{u = -7}$

(A) $-8t - 23 = -15$

$-8t - 23 + 23 = -15 + 23$

$\dfrac{-8t}{-8} = \dfrac{8}{-8}$

$\boxed{t = -1}$

(V) $\dfrac{m}{-4} + 5 = 14$

$\dfrac{m}{-4} + 5 - 5 = 14 - 5$

$\dfrac{m}{-4}(-4) = 9 \cdot (-4)$

$\boxed{m = -36}$

(O) $\dfrac{w}{-5} + 17 = -3$

$\dfrac{w}{-5} + 17 - 17 = -3 - 17$

$\dfrac{w}{-5} \cdot (-5) = -20 \cdot (-5)$

$\boxed{w = 100}$

(E) $\dfrac{-a}{10} - 8 = -24$

$\dfrac{-a}{10} - 8 + 8 = -24 + 8$

$\dfrac{-a}{10} \cdot (-10) = -16 \cdot (-10)$

$\boxed{a = 160}$