5.2

Books Never Written

Key

- *Take a Breather* by

J	u	s	t	i	n		H	a	l	e
99	6	−10	−48	9	8	−75	−64	−1	−84	160

- *Fatherly Advice* by

B	u	c	k		L		u	p	s	o	n
−5	6	−7	18	13	−84	24	6	4	−10	100	8

- *I Lost Every Game* by

O	w	e	n		e		L	e	v	i	n
100	3	160	8	185	160	−2	−84	160	−36	9	8

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

P $3n + 8 = 20$

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

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

$n = 4$

S $2d - 9 = -29$

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

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

$d = -10$

N $\frac{x}{2} + 7 = 11$

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

$\frac{x}{2}(2) = 4(2)$

$x = 8$

K $\frac{v}{-6} + 2 = -1$

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

$\frac{v}{-6}(-6) = -3(-6)$

$v = 18$

B $12y + 25 = -35$

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

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

$y = -5$

I $7x - 2 = 61$

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

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

$x = 9$

W $-4y + 16 = 4$

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

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

$y = 3$

J $\frac{k}{9} - 1 = 10$

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

$\frac{k}{9}(9) = 11(9)$

$k = 99$

H $\frac{n}{8} - 3 = -11$

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

$\frac{n}{8}(8) = -8(8)$

$n = -64$

T $\frac{-x}{3} + 4 = 20$

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

$\frac{-x}{3}(-3) = 16(-3)$

$x = -48$

C $-5u + 6 = 41$

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

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

$u = -7$

A $-8t - 23 = -15$

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

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

$t = -1$

V $\frac{m}{-4} + 5 = 14$

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

$\frac{m}{-4}(-4) = 9(-4)$

$m = -36$

O $\frac{w}{-5} + 17 = -3$

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

$\frac{w}{-5}(-5) = -20(-5)$

$w = 100$

E $\frac{-a}{10} - 8 = -24$

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

$\frac{-a}{10}(-10) = -16(-10)$

$a = 160$

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

$9x + 4 = 58$

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

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

$x = 6$

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

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

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

$\frac{x}{-7}(-7) = 12(-7)$

$x = -84$