

# Build Tasks — Answers



**1.**  $3x + 5 = 2x + 10$

$x = 5$

**2.**  $4y - 3 = 2y + 7$

$y = 5$

**3.**  $5a + 2 = 3a + 12$

$a = 5$

**4.**  $7b - 4 = 3b + 16$

$b = 5$

**5.**  $6m + 8 = 4m + 20$

$m = 6$

**6.**  $8n - 5 = 5n + 13$

$n = 6$

**7.**  $9p + 3 = 6p + 18$

$p = 5$

**8.**  $10q - 2 = 7q + 16$

$q = 6$

**9.**  $12r + 7 = 8r + 23$

$r = 4$

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$$\mathbf{10.} \quad 15s - 6 = 9s + 24$$
$$s = 5$$

$$\mathbf{11.} \quad 18t + 4 = 12t + 16$$
$$t = 2$$

$$\mathbf{12.} \quad 20u - 9 = 14u + 21$$
$$u = 5$$

$$\mathbf{13.} \quad 4v + 11 = 2v + 19$$
$$v = 4$$

$$\mathbf{14.} \quad 7w - 8 = 3w + 12$$
$$w = 5$$

$$\mathbf{15.} \quad 5x + 15 = x + 27$$
$$x = 3$$

$$\mathbf{16.} \quad 9y - 11 = 5y + 17$$
$$y = 7$$

$$\mathbf{17.} \quad 6z + 14 = 2z + 30$$
$$z = 4$$

$$\mathbf{18.} \quad 11a - 7 = 6a + 18$$
$$a = 5$$