

Some quick notes:

Solving Equations 5

2 Step Equations

$$4a + 5 = 13$$

$$4a = 8$$

$$a = 2$$

check:

$$4(2) + 5 = 13$$

$$8 + 5 = 13$$

$$13 = 13 \checkmark$$

$$10 = \frac{b}{2} + 8$$

$$2 = \frac{b}{2}$$

$$b = 4$$

check:

$$10 = \frac{(4)}{2} + 8$$

$$10 = 2 + 8$$

$$10 = 10 \checkmark$$

$$6 + 3c = 21$$

$$3c = 15$$

$$c = 5$$

check:

$$6 + 3(5) = 21$$

$$6 + 15 = 21$$

$$21 = 21 \checkmark$$

$$12 = 4 + \frac{2}{3}d$$

$$\frac{3}{2} \cdot 8 = \frac{3}{2} \cdot \frac{2}{3}d$$

$$d = 12$$

check:

$$12 = 4 + \frac{2}{3}(12)$$

$$12 = 4 + 8$$

$$12 = 12 \checkmark$$

$$\frac{f}{3} - 3 = 7$$

$$\frac{f}{3} = 10$$

$$f = 30$$

check:

$$\frac{(30)}{3} - 3 = 7$$

$$10 - 3 = 7$$

$$7 = 7 \checkmark$$

$$16 = \frac{2}{5}g - 4$$

$$\frac{5}{2} \cdot 20 = \frac{5}{2} \cdot \frac{2}{5}g$$

$$g = 50$$

$$-8 + 3h = 10$$

$$3h = 18$$

$$h = 6$$

$$5 = 1 + \frac{k}{4}$$

$$4 = \frac{k}{4}$$

$$k = 16$$

$$\frac{m}{5} + 12 = 20$$

$$\frac{m}{5} = 8$$

$$m = 40$$

$$17 = 8n - 7$$

$$24 = 8n$$

$$n = 3$$

key

Name: _____

check: $16 = \frac{2}{5}(50) - 4$

$$16 = 20 - 4$$

$$16 = 16 \checkmark$$

check:

$$-8 + 3(6) = 10$$

$$-8 + 18 = 10$$

$$10 = 10 \checkmark$$

check:

$$5 = 1 + \frac{(16)}{4}$$

$$5 = 1 + 4$$

$$5 = 5 \checkmark$$

check: $\frac{(40)}{5} + 12 = 20$

$$8 + 12 = 20$$

$$20 = 20 \checkmark$$

check: $17 = 8(3) - 7$

$$17 = 24 - 7$$

$$17 = 17 \checkmark$$

$$9 + 3p = 21$$

$$3p = 12$$

$$p = 4$$

$$-9 = -12 + \frac{3}{4}q$$

$$\frac{4}{3} \cdot 3 = \frac{4}{3} \cdot \frac{3}{4}q$$

$$q = 4$$

$$\frac{x}{6} - 13 = -10$$

$$\frac{x}{6} = 3$$

$$x = 18$$

$$36 = 7t + 8$$

$$28 = 7t$$

$$t = 4$$

$$-4 + \frac{1}{3}v = 7$$

$$\frac{1}{3}v = 11$$

$$v = 33$$

$$\text{check: } 14)$$

$$9 + 3(4) = 21$$

$$9 + 12 = 21$$

$$21 = 21 \checkmark$$

$$\text{check: } 15)$$

$$-9 = -12 + \frac{3}{4}(4)$$

$$-9 = -12 + 3$$

$$-9 = -9 \checkmark$$

$$\text{check: } 16)$$

$$\frac{(18)}{6} - 13 = -10$$

$$3 - 13 = -10$$

$$-10 = -10 \checkmark$$

$$\text{check: } 17)$$

$$36 = 7(4) + 8$$

$$36 = 28 + 8$$

$$36 = 36 \checkmark$$

$$\text{check: } 19)$$

$$-4 + \frac{1}{3}(33) = 7$$

$$-4 + 11 = 7$$

$$7 = 7 \checkmark$$

$$\text{check: } 20)$$

$$31 = 7 + 4w$$

$$24 = 4w$$

$$w = 6$$

$$7x + (-5) = 51$$

$$7x = 56$$

$$x = 8$$

$$17 = \frac{y}{6} + 7$$

$$10 = \frac{y}{6}$$

$$y = 60$$

$$8 + \frac{z}{3} = 13$$

$$\frac{z}{3} = 5$$

$$z = 15$$

$$4 = -5 + \frac{3}{5}a$$

$$\frac{5}{3} \cdot 9 = \frac{5}{3} \cdot \frac{3}{5}a$$

$$a = 15$$

$$\text{check:}$$

$$31 = 7 + 4(6)$$

$$31 = 7 + 24$$

$$31 = 31 \checkmark$$

$$\text{check:}$$

$$7(8) + (-5) = 51$$

$$56 + (-5) = 51$$

$$51 = 51 \checkmark$$

$$\text{check:}$$

$$17 = \frac{(60)}{6} + 7$$

$$17 = 10 + 7$$

$$17 = 17 \checkmark$$

$$\text{check:}$$

$$8 + \frac{(15)}{3} = 13$$

$$8 + 5 = 13$$

$$13 = 13$$

$$\text{check:}$$

$$4 = -5 + \frac{3}{5}(15)$$

$$4 = -5 + 9$$

$$4 = 4 \checkmark$$