Basic One-step Equations.　　　　Date:　　　　Name:

Through your working, show how you are keeping the equation
balanced as you solve for the variable.

Addition only

[1]

$$g + 35 = 38$$

[2]

$$y + 14 = 18$$

[3]

$$82 = d + 41$$

[4]

$$w + 30 = 41$$

[5]

$$c + 17 = 39$$

[6]

$$96 = d + 23$$

[7]

$$17 + y = 21$$

[8]

$$20 + y = 29$$

[9]

$$35 = 23 + d$$

[10]

$$20 + d = 14$$

[11]

$$56 + c = 47$$

[12]

$$33 = 40 + c$$

Through your working, show how you are keeping the equation balanced as you solve for the variable.

[1]

$$g + 35 \quad = \quad 38$$
$$-\,35 \qquad\quad -\,35$$

$$g \quad = \quad 3$$

[2]

$$y + 14 \quad = \quad 18$$
$$-\,14 \qquad\quad -\,14$$

$$y \quad = \quad 4$$

[3]

$$82 \quad = \quad d + 41$$
$$-\,41 \qquad\qquad -\,41$$

$$41 \quad = \quad d$$

$$d \quad = \quad 41$$

[4]

$$w + 30 \quad = \quad 41$$
$$-\,30 \qquad\quad -\,30$$

$$w \quad = \quad 11$$

[5]

$$c + 17 \quad = \quad 39$$
$$-\,17 \qquad\quad -\,17$$

$$c \quad = \quad 22$$

[6]

$$96 \quad = \quad d + 23$$
$$-\,23 \qquad\quad -\,23$$

$$73 \quad = \quad d$$

$$d \quad = \quad 73$$

[7]

$$17 + y \quad = \quad 21$$
$$-\,17 \qquad\quad -\,17$$

$$y \quad = \quad 4$$

$$y \quad = \quad 4$$

[8]

$$20 + y \quad = \quad 29$$
$$-\,20 \qquad\quad -\,20$$

$$y \quad = \quad 9$$

$$y \quad = \quad 9$$

[9]

$$35 \quad = \quad 23 + d$$
$$-\,23 \qquad\quad -\,23$$

$$12 \quad = \quad d$$

$$d \quad = \quad 12$$

[10]

$$20 + d \quad = \quad 14$$
$$-\,20 \qquad\quad -\,20$$

$$d \quad = \quad \text{-}6$$

[11]

$$56 + c \quad = \quad 47$$
$$-\,56 \qquad\quad -\,56$$

$$c \quad = \quad \text{-}9$$

[12]

$$33 \quad = \quad 40 + c$$
$$-\,40 \qquad\quad -\,40$$

$$\text{-}7 \quad = \quad c$$

$$c \quad = \quad \text{-}7$$