Math worksheet on *'Linear Equation Systems - Simple Addition (Level 1)'*. Part of a broader unit on *'Algebra Systems of Equations - Intro'*

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1 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$3m + 5n = 16$$
$$7m - 5n = 4$$
$$m = ?$$

a $m = 2$ **b** $m = 10$ **c** $m = 1$

d $m = 5$ **e** $m = 4$ **f** $m = 20$

2 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$4m + 3x = 40$$
$$-4m + 12x = 80$$
$$x = ?$$

a $x = 80$ **b** $x = 11$ **c** $x = 15$

d $x = 120$ **e** $x = 7$ **f** $x = 8$

3 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$3y + 7d = 55$$
$$5y - 7d = 17$$
$$y = ?$$

a $y = 9$ **b** $y = 17$ **c** $y = 8$

d $y = 72$ **e** $y = 12$ **f** $y = 8$

4 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$10x + 10c = 100$$
$$8x - 10c = -46$$
$$x = ?$$

a $x = 54$ **b** $x = 18$

c $x = -46$ **d** $x = 6$

e $x = 2$ **f** $x = 3$

5 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$2x + 9n = 26$$
$$-2x + 5n = 2$$
$$n = ?$$

a $n = 5$ **b** $n = 14$ **c** $n = 28$

d $n = 1$ **e** $n = 2$

6 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$7c + 10m = 132$$
$$-7c + 4m = -6$$
$$m = ?$$

a $m = 9$ **b** $m = 14$

c $m = 126$ **d** $m = 12$

e $m = -6$ **f** $m = 8$

7 Solve for the variable by adding or subtracting multiples of the second equation to the first

$$9c + 3y = 102$$
$$-9c + 8y = -25$$
$$y = ?$$

a $y = 6$ **b** $y = 11$ **c** $y = 7$

d $y = -25$ **e** $y = 10$ **f** $y = 77$

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