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

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1 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$12c + 12p = 120$$
$$8c - 12p = -80$$
$$c = ?$$

a $20c = 120$ **b** $-80c = 120$
c $20c = 20$ **d** $20c = 40$
e $40c = 5$ **f** $40c = 20$

2 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$9p + 12r = 105$$
$$5p - 12r = -35$$
$$p = ?$$

a $14p = 14$ **b** $14p = 70$
c $14p = 105$ **d** $70p = 8$
e $-35p = 105$ **f** $70p = 14$

3 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$7y + 2p = 55$$
$$-7y + 5p = -34$$
$$p = ?$$

a $7p = 55$ **b** $7p = 7$
c $7p = 21$ **d** $-34p = 55$
e $21p = 6$ **f** $21p = 7$

4 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$7d + 11r = 90$$
$$6d - 11r = -25$$
$$d = ?$$

a $13d = 13$ **b** $65d = 13$
c $13d = 65$ **d** $-25d = 90$
e $65d = 8$ **f** $13d = 90$

5 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$7m + 4b = 59$$
$$9m - 4b = 21$$
$$m = ?$$

a $16m = 80$ **b** $80m = 8$
c $80m = 16$ **d** $21m = 59$
e $16m = 59$ **f** $16m = 16$

6 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$11b + 3p = 65$$
$$10b - 3p = 19$$
$$b = ?$$

a $19b = 65$ **b** $21b = 84$
c $21b = 21$ **d** $84b = 21$
e $21b = 65$ **f** $84b = 7$

7 Add or subtract multiples of the second equation to the first equation to form a single solvable equation

$$9r + 10n = 74$$
$$-9r + 4n = -46$$
$$n = ?$$

a $28n = 5$ **b** $14n = 74$
c $14n = 14$ **d** $28n = 14$
e $-46n = 74$ **f** $14n = 28$