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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

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

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

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

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

$$5p + 10b = 55$$
$$9p - 10b = 43$$
$$p = ?$$

a	b
$43p = 55$	$14p = 14$
c	d
$14p = 98$	$14p = 55$
e	f
$98p = 14$	$98p = 10$

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

$$11n + 6r = 69$$
$$4n - 6r = -24$$
$$n = ?$$

a	b
$15n = 69$	$45n = 15$
c	d
$15n = 15$	$-24n = 69$
e	f
$45n = 6$	$15n = 45$

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

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

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

$$8z + 4p = 60$$
$$5z - 4p = 18$$
$$z = ?$$

a	b
$78z = 9$	$13z = 78$
c	d
$13z = 13$	$13z = 60$
e	f
$78z = 13$	$18z = 60$