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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

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

a	b
$m = 126$	$m = 14$
c	**d**
$m = 9$	$m = 12$
e	**f**
$m = 8$	$m = -6$

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

$$5z + 6y = 63$$
$$-5z + 3y = -36$$
$$y = ?$$

a	b	c
$y = -36$	$y = 9$	$y = 2$
d	**e**	**f**
$y = 6$	$y = 3$	$y = 27$

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

$$10n + 4b = 78$$
$$2n - 4b = -18$$
$$n = ?$$

a	b
$n = 5$	$n = 12$
c	**d**
$n = 60$	$n = 8$
e	**f**
$n = 4$	$n = -18$

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

$$3c + 6m = 36$$
$$7c - 6m = 24$$
$$c = ?$$

a	b	c
$c = 10$	$c = 60$	$c = 24$
d	**e**	**f**
$c = 6$	$c = 5$	$c = 9$

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

$$5x + 9y = 64$$
$$12x - 9y = -30$$
$$x = ?$$

a	b
$x = 1$	$x = -30$
c	**d**
$x = 34$	$x = 5$
e	**f**
$x = 17$	$x = 2$

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

$$11x + 2p = 81$$
$$-11x + 12p = -53$$
$$p = ?$$

a	b
$p = 28$	$p = 14$
c	**d**
$p = 2$	$p = -53$
e	**f**
$p = 1$	$p = 5$

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

$$8d + 9n = 119$$
$$12d - 9n = 21$$
$$d = ?$$

a	b	c
$d = 7$	$d = 6$	$d = 140$
d	**e**	**f**
$d = 20$	$d = 10$	$d = 21$