Math worksheet on *'Linear Equation Systems - Simple Number Substitution (Level 2)'*. Part of a broader unit on *'Algebra Systems of Equations - Intro'*

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1 Solve for the variable by substituting the second equation into the first

$$8n - 5z = 25$$
$$z = 3$$
$$n = ?$$

a	b	c
$n = 7$	$n = 5$	$n = 8$
d	**e**	**f**
$n = 3$	$n = 15$	$n = 4$

2 Solve for the variable by substituting the second equation into the first

$$7b + 12d = 78$$
$$d = 3$$
$$b = ?$$

a	b	c
$b = 6$	$b = 4$	$b = 36$
d	**e**	**f**
$b = 5$	$b = 8$	$b = 9$

3 Solve for the variable by substituting the second equation into the first

$$9y - 3m = 72$$
$$m = 3$$
$$y = ?$$

a	b	c
$y = 7$	$y = 12$	$y = 11$
d	**e**	
$y = 9$	$y = 8$	

4 Solve for the variable by substituting the second equation into the first

$$7d + 7m = 119$$
$$m = 11$$
$$d = ?$$

a	b	c
$d = 8$	$d = 6$	$d = 4$
d	**e**	**f**
$d = 9$	$d = 77$	$d = 5$

5 Solve for the variable by substituting the second equation into the first

$$6p + 3z = 63$$
$$z = 9$$
$$p = ?$$

a	b	c
$p = 4$	$p = 5$	$p = 8$
d	**e**	**f**
$p = 6$	$p = 27$	$p = 9$

6 Solve for the variable by substituting the second equation into the first

$$9z - 3n = 63$$
$$n = 3$$
$$z = ?$$

a	b	c
$z = 7$	$z = 11$	$z = 8$
d	**e**	**f**
$z = 9$	$z = 10$	$z = 6$

7 Solve for the variable by substituting the second equation into the first

$$2z + 8d = 40$$
$$d = 3$$
$$z = ?$$

a	b	c
$z = 8$	$z = 6$	$z = 24$
d	**e**	**f**
$z = 11$	$z = 7$	$z = 10$