



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

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<p>1 Substitute the second equation into the first equation to form a single solvable equation</p> $9z - d = 3$ $d = 8z + 2$ $z = ?$	a	$9z - 8z - 2 = 3$	b	$6z - 8z + 3 = 3$
	c	$9z - 6z + 7 = 3$	d	$6z - 8z - 3 = 3$
	e	$9z - 8z - 4 = 6$	f	$7z + 8z - 2 = 3$

<p>2 Substitute the second equation into the first equation to form a single solvable equation</p> $12b - d = 2$ $d = 8b + 10$ $b = ?$	a	$5b + 8b - 10 = 2$
	b	$12b - 4b + 5 = 2$
	c	$12b - 8b - 10 = 2$
	d	$4b - 8b + 1 = 2$
	e	$4b - 8b - 1 = 2$
	f	$12b - 8b - 2 = 4$

<p>3 Substitute the second equation into the first equation to form a single solvable equation</p> $3z + y = 43$ $y = 9z + 7$ $z = ?$	a	$3z + 4z + 5 = 43$
	b	$5z + 9z + 7 = 43$
	c	$3z + 9z + 2 = 4$
	d	$4z - 9z - 1 = 43$
	e	$3z + 9z + 7 = 43$
	f	$4z + 9z + 1 = 43$

<p>4 Substitute the second equation into the first equation to form a single solvable equation</p> $11z + p = 58$ $p = 5z + 10$ $z = ?$	a	$5z + 5z + 10 = 58$
	b	$11z + 4z + 5 = 58$
	c	$4z + 5z + 1 = 58$
	d	$4z - 5z - 1 = 58$
	e	$11z + 5z + 10 = 58$
	f	$11z + 5z + 2 = 4$

<p>5 Substitute the second equation into the first equation to form a single solvable equation</p> $10n + d = 37$ $d = 7n + 3$ $n = ?$	a	$10n + 7n + 3 = 37$
	b	$4n + 7n + 3 = 37$
	c	$3n - 7n - 0 = 37$
	d	$3n + 7n + 0 = 37$
	e	$10n + 7n + 1 = 3$
	f	$10n + 3n + 4 = 37$

<p>6 Substitute the second equation into the first equation to form a single solvable equation</p> $5d + r = 72$ $r = 3d + 8$ $d = ?$	a	$5d + 3d + 8 = 72$
	b	$9d - 3d - 6 = 72$
	c	$10d + 3d + 8 = 72$
	d	$9d + 3d + 6 = 72$
	e	$5d + 3d + 7 = 9$
	f	$5d + 9d + 10 = 72$

<p>7 Substitute the second equation into the first equation to form a single solvable equation</p> $8m + y = 55$ $y = 4m + 7$ $m = ?$	a	$6m + 4m + 7 = 55$
	b	$8m + 4m + 7 = 55$
	c	$8m + 5m + 6 = 55$
	d	$5m + 4m + 2 = 55$
	e	$5m - 4m - 2 = 55$
	f	$8m + 4m + 3 = 5$