



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

Learn online: app.mobius.academy/math/units/algebra_systems_of_equations_intro/

1 Substitute the second variable equation into the first equation to form a single solvable equation $12b - z = 25$ $z = 7b$ $b = ?$	a $12b + 7b = 25$	b $8b + 7 = b$
	c $12b + 7 = 25$	d $12b - 8b = 25$
	e $12b + 7b = 25$	f $12b - 7b = 25$

2 Substitute the second variable equation into the first equation to form a single solvable equation $8r - b = 30$ $b = 2r$ $r = ?$	a $8r + 2 = r$	b $8r + 2 = 30$
	c $8r - 2r = 30$	d $8r + 2r = 30$
	e $8r - 7r = 30$	f $8r + 7r = 30$

3 Substitute the second variable equation into the first equation to form a single solvable equation $6z + b = 36$ $b = 12z$ $z = ?$	a $6z - 4z = 36$	b $5z + 12 = z$
	c $6z + 12 = 36$	d $6z + 3z = 36$
	e $6z + 4z = 36$	f $6z + 12z = 36$

4 Substitute the second variable equation into the first equation to form a single solvable equation $7m + x = 135$ $x = 8m$ $m = ?$	a $7m + 10m = 135$
	b $7m - 11m = 135$
	c $7m + 11m = 135$
	d $12m + 8 = m$
	e $7m + 8m = 135$
	f $7m + 8 = 135$

5 Substitute the second variable equation into the first equation to form a single solvable equation $7y + p = 126$ $p = 7y$ $y = ?$	a $7y + 11y = 126$	b $7y - 11y = 126$
	c $7y + 7y = 126$	d $12y + 7 = y$
	e $7y + 7 = 126$	f $7y + 10y = 126$

6 Substitute the second variable equation into the first equation to form a single solvable equation $10m - c = 30$ $c = 4m$ $m = ?$	a $8m + 4 = m$	b $10m + 7m = 30$
	c $10m - 7m = 30$	d $10m + 4m = 30$
	e $10m + 4 = 30$	f $10m - 4m = 30$

7 Substitute the second variable equation into the first equation to form a single solvable equation $3p + y = 44$ $y = 8p$ $p = ?$	a $3p + 8p = 44$	b $3p + 8 = 44$
	c $3p + 6p = 44$	d $3p + 5p = 44$
	e $3p - 6p = 44$	f $7p + 8 = p$