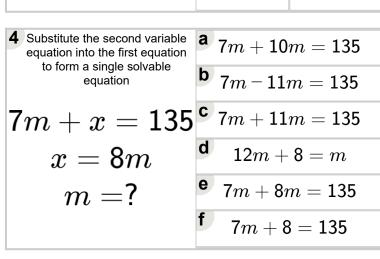


Math worksheet on 'Linear Equation Systems - Simple Variable Substitution To Equation (Level 1)'. Part of a broader unit on 'Algebra Systems of Equations - Intro'
Learn online: app.mobius.academy/math/units/algebra_systems_of_equations_intro/

Substitute the second variable equation into the first equation to form a single solvable equation	a $12b + 7b = 25$	8b+7=b
$egin{array}{c} 12b-z=25 \ z=7b \ \end{array}$		d $12b - 8b = 25$
b = ?	e $12b + 7b = 25$	$ \mathbf{f} $ $ 12b - 7b = 25 $

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

3 Substitute the second variable equation into the first equation to form a single solvable equation	6z - 4z = 36	5z + 12 = z
$C + 1 \rightarrow C$		•
6z + b = 36	C	d
·	6z + 12 = 36	6z + 3z = 36
b = 12z	0.0 12 00	
	е	f
z=?	6z + 4z = 36	6z + 12z = 36



5 Substitute the second variable equation into the first equation to form a single solvable equation	$oxed{a}$ 7 $y+11y=126$	b $7y - 11y = 126$
$egin{array}{c} 7y+p=126 \ p=7y \ \end{array}$	7y + 7y = 126	$\mathbf{d} \\ 12y + 7 = y$
y = ?	e $7y + 7 = 126$	$\mathbf{f} \\ 7y + 10y = 126$

6 Substitute the second variable equation into the first equation to form a single solvable equation	8m + 4 = m	b $10m + 7m = 30$
$egin{array}{c} 10m-c = 30 \ c = 4m \end{array}$		d $10m + 4m = 30$
m = ?	0 10m + 4 = 30	

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