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Math worksheet on 'Linear Equation Systems -Simple Variable 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	а	b	С
equation into the first	r=2	r = 4	r=0
$\left 10r + 8p = 148\right $			
p=8r	d	е	f
r=?	r = 64	r=1	r=5

Solve for the variable by substituting the second equation into the first	$oldsymbol{a} = 10$	$egin{aligned} \mathbf{b} \ m = 9 \end{aligned}$	$egin{array}{c} oldsymbol{c} \ m=6 \end{array}$
$\begin{vmatrix} 8m + 3n = 98 \\ n = 2m \end{vmatrix}$	d	е	f
m = ?	m = 7	m=5	m=6

Solve for the variable by substituting the second equation into the first	а		b		С		
10   07   120		= 4	r	= 7	r	=	5
10r + 2b = 130	d				£		
b = 8r	u		е		•		
r=?	r	= 8	r	=3	r	= 1	۱6

4	Solve for the variable by substituting the second equation into the first	а	b	С
	equation into the inst	b = 4	b = 21	b = 2
<b>5</b> <i>b</i>	p + 7p = 52	-		
	p=3b	d	е	f
	b = ?	b = 5	b = 1	b = 0

Solve for the variable by substituting the second equation into the first	$egin{aligned} b &= 7 \end{aligned}$	$b \ b = 15$	b=3
$\begin{vmatrix} 12b + 5y = 135 \\ y = 3b \end{vmatrix}$	d	е	f
b = ?	b = 5	b = 4	<i>b</i> = 8

6 Solve for the variable by substituting the second equation into the first	n=3	n=6	n=20
$egin{array}{c} 9n+10c=116 \ c=2n \end{array}$	d	е	f
n=?	n = 7	n = 2	n = 4

7 Solve for the variable by substituting the second equation into the first	a $n=5$	n=0	$egin{array}{c} \mathbf{c} \ n=2 \end{array}$
4n + 3c = 74			
c=11n	d	е	f
n = ?	n = 4	n = 1	n = 33