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

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1 Substitute the given number for the variable to form a single solvable equation

$$5p + 9m = 114$$
$$m = 11$$
$$p = ?$$

a $5p + 5 = 114$	**b** $3p + 11 = p$
c $5p + 11 = 114$	**d** $5p - 6 = 114$
e $5p + 99 = 114$	**f** $6p + 11 = p$

2 Substitute the given number for the variable to form a single solvable equation

$$8d + 4p = 48$$
$$p = 8$$
$$d = ?$$

a $5d + 8 = d$	**b** $8d + 4 = 48$
c $2d + 8 = d$	**d** $8d - 5 = 48$
e $8d + 32 = 48$	**f** $8d + 8 = 48$

3 Substitute the given number for the variable to form a single solvable equation

$$9m - 2p = 64$$
$$p = 4$$
$$m = ?$$

a $8m + 4 = m$	**b** $9m + 10 = 64$
c $9m + 8 = 64$	**d** $9m + 4 = 64$
e $11m + 4 = m$	**f** $9m - 8 = 64$

4 Substitute the given number for the variable to form a single solvable equation

$$9d + 8n = 34$$
$$n = 2$$
$$d = ?$$

a $9d + 16 = 34$	**b** $9d + 2 = 34$
c $9d - 5 = 34$	**d** $2d + 2 = d$
e $9d + 4 = 34$	**f** $5d + 2 = d$

5 Substitute the given number for the variable to form a single solvable equation

$$6c - 2y = 26$$
$$y = 5$$
$$c = ?$$

a $6c + 5 = 26$	**b** $6c + 8 = 26$
c $9c + 5 = c$	**d** $6c + 5 = c$
e $6c + 10 = 26$	**f** $6c - 10 = 26$

6 Substitute the given number for the variable to form a single solvable equation

$$8m + 11p = 137$$
$$p = 11$$
$$m = ?$$

a $8m + 11 = 137$	**b** $8m + 121 = 137$
c $2m + 11 = m$	**d** $5m + 11 = m$
e $8m + 4 = 137$	**f** $8m - 5 = 137$

7 Substitute the given number for the variable to form a single solvable equation

$$8m + 6b = 112$$
$$b = 12$$
$$m = ?$$

a $8m + 72 = 112$	**b** $8m - 8 = 112$
c $8m + 7 = 112$	**d** $8m + 12 = m$
e $8m + 12 = 112$	**f** $5m + 12 = m$