



Math worksheet on 'Linear Equation - One Variable, Three Terms (Level 2)'. Part of a broader unit on 'Algebra Manipulating Variables - Advanced'

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1 Solve for the variable in the equation

$$8z = 36 + 4z$$

a	b	c	d	e	f
$z = 12$	$z = 7$	$z = 8$	$z = 10$	$z = 9$	$z = 11$

2 Solve for the variable in the equation

$$3p = 24 - 9p$$

a	b	c	d	e	f
$p = 2$	$p = 3$	$p = 5$	$p = 4$	$p = 0$	$p = 1$

3 Solve for the variable in the equation

$$8x = 15 + 3x$$

a	b	c	d	e	f
$x = 2$	$x = 5$	$x = 1$	$x = 4$	$x = 3$	$x = 6$

4 Solve for the variable in the equation

$$\frac{4c}{7} = 8$$

a	b	c
$c = 13$	$c = 12$	$c = 14$
d	e	f
$c = 16$	$c = 15$	$c = 17$

5 Solve for the variable in the equation

$$\frac{3y}{3} = 2$$

a	b	c
$y = 2$	$y = 0$	$y = 5$
d	e	f
$y = 1$	$y = 3$	$y = 4$

6 Solve for the variable in the equation

$$\frac{70}{2z} = 5$$

a	b	c
$z = 10$	$z = 5$	$z = 6$
d	e	f
$z = 7$	$z = 9$	$z = 8$

7 Solve for the variable in the equation

$$7z = 144 - 9z$$

a	b	c	d	e	f
$z = 7$	$z = 12$	$z = 11$	$z = 10$	$z = 9$	$z = 8$