

**Basic One-step Equations.**

Date:

Name:

Through your working, show how you are keeping the equation balanced as you solve for the variable.

<http://www.learnersgrid.com>

Round to 1 d.p. if necessary.

**[1]**  $10f = 40$

**[2]**  $14y = 126$

**[3]**  $18f = 198$

**[4]**  $132 = 12k$

**[5]**  $75 = 15y$

**[6]**  $204 = 17h$

**[7]**  $-7y = -35$

**[8]**  $-11y = -132$

**[9]**  $-15k = -255$

**[10]**  $-18 = -9y$

**[11]**  $-108 = -12g$

**[12]**  $-48 = -16p$

**[13]**  $-12k = 48$

**[14]**  $-17w = 255$

**[15]**  $210 = -21d$

## SOLUTIONS Basic One-step Equations.

Through your working, show how you are keeping the equation balanced as you solve for the variable.

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Round to 1 d.p. if necessary.

[1]  $10f = 40$

$\div 10 \quad \div 10$

$f = 4$

[2]  $14y = 126$

$\div 14 \quad \div 14$

$y = 9$

[3]  $18f = 198$

$\div 18 \quad \div 18$

$f = 11$

[4]  $132 = 12k$

$\div 12 \quad \div 12$

$11 = k$

$k = 11$

[5]  $75 = 15y$

$\div 15 \quad \div 15$

$5 = y$

$y = 5$

[6]  $204 = 17h$

$\div 17 \quad \div 17$

$12 = h$

$h = 12$

[7]  $-7y = -35$

$\div -7 \quad \div -7$

$y = 5$

[8]  $-11y = -132$

$\div -11 \quad \div -11$

$y = 12$

[9]  $-15k = -255$

$\div -15 \quad \div -15$

$k = 17$

[10]  $-18 = -9y$

$\div -9 \quad \div -9$

$2 = y$

$y = 2$

[11]  $-108 = -12g$

$\div -12 \quad \div -12$

$9 = g$

$g = 9$

[12]  $-48 = -16p$

$\div -16 \quad \div -16$

$3 = p$

$p = 3$

[13]  $-12k = 48$

$\div -12 \quad \div -12$

$k = -4$

[14]  $-17w = 255$

$\div -17 \quad \div -17$

$w = -15$

[15]  $210 = -21d$

$\div -21 \quad \div -21$

$-10 = d$

$d = -10$