

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] $8d = 32$

[2] $13f = 130$

[3] $17c = 187$

[4] $120 = 10y$

[5] $105 = 15f$

[6] $72 = 18g$

[7] $-12k = -48$

[8] $-15f = -45$

[9] $-19y = -209$

[10] $-168 = -14p$

[11] $-285 = -19y$

[12] $-138 = -23d$

[13] $-11m = 22$

[14] $-15k = 195$

[15] $190 = -19d$

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] $8d = 32$

$\div 8 \quad \div 8$

$d = 4$

[2] $13f = 130$

$\div 13 \quad \div 13$

$f = 10$

[3] $17c = 187$

$\div 17 \quad \div 17$

$c = 11$

[4] $120 = 10y$

$\div 10 \quad \div 10$

$12 = y$

$y = 12$

[5] $105 = 15f$

$\div 15 \quad \div 15$

$7 = f$

$f = 7$

[6] $72 = 18g$

$\div 18 \quad \div 18$

$4 = g$

$g = 4$

[7] $-12k = -48$

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

$k = 4$

[8] $-15f = -45$

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

$f = 3$

[9] $-19y = -209$

$\div -19 \quad \div -19$

$y = 11$

[10] $-168 = -14p$

$\div -14 \quad \div -14$

$12 = p$

$p = 12$

[11] $-285 = -19y$

$\div -19 \quad \div -19$

$15 = y$

$y = 15$

[12] $-138 = -23d$

$\div -23 \quad \div -23$

$6 = d$

$d = 6$

[13] $-11m = 22$

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

$m = -2$

[14] $-15k = 195$

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

$k = -13$

[15] $190 = -19d$

$\div -19 \quad \div -19$

$-10 = d$

$d = -10$