

Lesson 9.2-Solving Equations Using Multiplication/Division

Period _____

Solve each equation.

1) $x + 13 = 14$

2) $p + 7 = 21$

3) $-11 + a = 6$

4) $n - 2 = -3$

5) $-2 = \frac{n}{8}$

6) $-\frac{15}{2} = \frac{k}{2}$

7) $11 = \frac{v}{13}$

8) $13b = -156$

9) $1 + 3x = 31$

10) $\frac{x}{3} + 5 = 11$

11) $3 + 4n = -9$

12) $-9(1 + v) = -171$

$$13) 1 + \frac{a}{3} = 3$$

$$14) -3x - 1 = -37$$

$$15) 7(r - 1) = -112$$

$$16) 9(x - 4) = 54$$

$$17) 9 - 6k = 99$$

$$18) 9(k - 9) = -198$$

$$19) 2 = \frac{8 + r}{3}$$

$$20) 4 = \frac{v + 5}{3}$$

$$21) -25 = -2x - 3$$

$$22) 138 = 7v + 5$$

$$23) 0 = -3(8 + n)$$

$$24) -65 = 7 + 4k$$

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2) $p + 7 = 21$

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Solve each equation.

1) $n - 18 = -31$

2) $12 + x = 17$

3) $20 + a = 30$

4) $6 = r - 5$

5) $-8p = -144$

6) $196 = -14b$

7) $-18r = -162$

8) $4m = 64$

9) $-9v - 4 = 41$

10) $-4(8 + n) = -88$

11) $-(-3 + a) = 17$

12) $\frac{a + 5}{3} = 0$

$$13) 3(5 + b) = 21$$

$$14) -5(-2 + v) = -40$$

$$15) -3 + \frac{x}{2} = -7$$

$$16) 10 - 9x = -107$$

$$17) \frac{n}{9} + 3 = 4$$

$$18) -4 - 3r = -31$$

$$19) 14 = 2(-9 + p)$$

$$20) 5 = \frac{7 + r}{5}$$

$$21) -6 = -6 - 8p$$

$$22) -1 = \frac{2 + x}{12}$$

$$23) -1 = \frac{x - 1}{8}$$

$$24) 150 = -10(x + 1)$$

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