

2-1 Solving One-Step Equations

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Period 2

1. $g - 7 = 15$
makes it an equation
 $\begin{array}{r} g - 7 = 15 \\ +7 \quad +7 \\ \hline g = 22 \end{array}$

2. $t + 4 = 6$
 $\begin{array}{r} t + 4 = 6 \\ -4 \quad -4 \\ \hline t = 2 \end{array}$

3. $13 = m - 7$
 $\begin{array}{r} 13 = m - 7 \\ +7 \quad +7 \\ \hline 20 = m \end{array}$

4. $x + 3.4 = 9.1$
 $\begin{array}{r} x + 3.4 = 9.1 \\ -3.4 \quad -3.4 \\ \hline x = 5.7 \end{array}$

5. $n - \frac{3}{8} = \frac{1}{8}$
 $\begin{array}{r} n - \frac{3}{8} = \frac{1}{8} \\ +\frac{3}{8} \quad +\frac{3}{8} \\ \hline n = \frac{4}{8} \\ n = \frac{1}{2} \end{array}$

6. $p - \frac{1}{3} = \frac{2}{3}$

7. $-49 = 7y$
 $\begin{array}{r} -49 = 7y \\ \div 7 \quad \div 7 \\ \hline -7 = y \end{array}$

8. $\frac{5}{1} - \frac{15}{1} = \frac{3n}{8} \cdot \frac{8}{3}$
 $\begin{array}{r} 5 - 15 = \frac{3n}{8} \cdot \frac{8}{3} \\ \hline -10 = n \end{array}$
 $25 = n$

9. $\frac{0}{9} m = \frac{6}{9}$
 $m = \frac{2}{3}$

$$10. \frac{3 \cdot V}{-3} = -6 \cdot -3$$

$$V = 18$$

$$11. \frac{2.8}{4} = \frac{4b}{4}$$

$$0.7 = b$$

$$4 \overline{) 2.8} \\ \underline{2.8} \\ 0$$

$$12. \frac{4}{3} \cdot \frac{3r}{4} = \frac{1}{2.8} \cdot \frac{4}{3}$$

$$r = \frac{1}{6}$$

$$13. \begin{array}{r} h + 0.75 = 12.25 \\ \underline{-0.75} \quad \underline{-0.75} \end{array}$$

$$h = \$11.50$$

$$14. \begin{array}{r} w + 4\frac{1}{4} = 56\frac{7}{8} \\ \underline{-4\frac{1}{4}} \quad \underline{-4\frac{1}{4}} \end{array}$$

$$w = 52\frac{5}{8} \text{ inches}$$

$$15. \frac{A}{3} = 8$$



$$\frac{5x}{5} = \frac{41.5}{5}$$

$$x = \text{cm}$$

$$5 \overline{) 41.5}$$