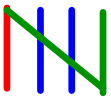



4th 6th 7th

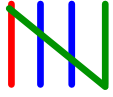
55-59 - A:

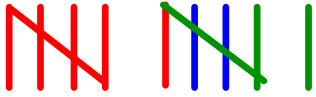
50-54 - B: 

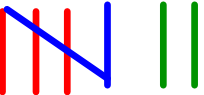
43-49 - C: 

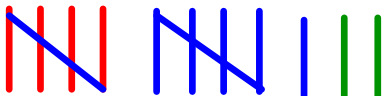
38-42 - D: 


00-37 - F: 

50-53 - A: 

45-49 - B: 

39-44 - C: 

34-38 - D: 

00-33 - F: 

$$4. \frac{1}{8}(64r+32) = \frac{1}{2}(16r-8)$$

$$\frac{1}{8}(64r) + \frac{1}{8}(32) = \frac{1}{2}(16r) - \frac{1}{2}(8)$$

$$\frac{8r}{-8r} + 4 = \frac{8r}{-8r} - 4$$

$$4 = -4$$

False... No Solution

1. $27 - y = 7 - y$

$$\begin{array}{r} 27 - y = 7 - y \\ \hline 27 = 7 \end{array}$$

False No Solution

$$\begin{aligned}
 12. \quad & x - 5(x + 2) = x + 3(3 - 2x) \\
 & x - 5(x) + -5(2) = x + 3(3) - 3(2x) \\
 & \underline{x} - \underline{5x} - 10 = \underline{x} + 9 - \underline{6x} \\
 & \quad -4x - 10 = -5x + 9 \\
 & \quad \begin{array}{r} \cancel{+5x} \\ \hline x - 10 = 9 \end{array} \quad \begin{array}{r} \cancel{+5x} + 9 \\ \hline x = 19 \end{array} \\
 & \quad \begin{array}{r} x - 10 = 9 \\ + 10 \\ \hline x = 19 \end{array}
 \end{aligned}$$

rent is \$10 an hour. If you have your own helmet, the bike rental is \$7 an hour. You can buy a helmet for \$28. How many hours do you need to use the trail to justify buying your own helmet?

$$\begin{array}{r}
 \text{own} \qquad \qquad \text{Rent} \\
 7h + 28 = 10h \\
 -7h \qquad \qquad -7h \\
 \hline
 28 = 3h \qquad h \approx 9.33
 \end{array}$$

10 hrs

Solve the equation. Give me two answers.

Exact and Approximate. Round to the nearest hundredth.

$$8. \quad 9 - 4x = \underline{6x} + 2 - \underline{3x}$$

$$9 - 4x = 3x + 2$$

$+4x \quad +4x$

$$9 = 7x + 2$$

$-2 \quad -2$

$$\frac{7}{7} = \frac{7x}{7}$$

$$\underline{\underline{1 = x}}$$

$$\begin{aligned}
 r) \quad 10. \quad & -3(4-r) + 4r = 2(4+r) \\
 & -3(4) - 3(r) + 4r = 2(4) + 2(r) \\
 & -12 + 3r + 4r = 8 + 2r \\
 & -12 + 7r = 8 + 2r \\
 & \quad \quad -2r \quad \quad -2r \\
 & \hline
 & -12 + 5r = 8 \\
 & +12 \quad \quad +12 \\
 & \hline
 & 5r = 20 \\
 & \quad \quad \frac{5}{5} \quad \quad \frac{20}{5} \\
 & \hline
 & r = 4
 \end{aligned}$$

17. $-13c + 51c = -26$

18. $18y -$

$$\frac{38c}{38} = \frac{-26}{38}$$

$$c = \frac{-13}{19} \leftarrow \text{exact}$$

$$\underline{\underline{c \approx -0.68}} \leftarrow \text{approx}$$

$$19. \quad 3.6y + 7.5 = 8.2y$$

$$\begin{array}{r} 3.6y + 7.5 = 8.2y \\ -3.6y \quad -3.6y \\ \hline 7.5 = 4.6y \\ \underline{4.6} \quad \underline{4.6} \\ 1.63 \approx y \end{array}$$

$$11. \quad 8n + 4(-5 - 7n) = -2(n + 1) \quad 12.$$

$$8n + 4(-5) - 4(7n) = -2(n) + -2(1)$$

$$8n - 20 - 28n = -2n - 2$$

$$\textcircled{n=1} \quad -20n - 20 = -2n - 2$$

$$\frac{-18}{18} = \frac{18n}{18}$$

$$\frac{-20}{+2} = \frac{18n - 2}{+2}$$

$$9. \quad 5 + 4(x - 1) = 3(2 + x) \quad 10.$$

$$5 + 4(x) - 4(1) = 3(2) + 3(x)$$

$$5 + 4x - 4 = 6 + 3x$$

$$4x + 1 = 6 + 3x$$

$$\begin{array}{r} 4x + 1 = 6 + 3x \\ -3x \quad \quad -3x \\ \hline \end{array}$$

$$x + 1 = 6$$

$$\begin{array}{r} x + 1 = 6 \\ -1 \quad -1 \\ \hline \end{array}$$

$$\underline{x = 5}$$

$$21. \quad 3.2x - 4.9 = 8.4x + 6.7$$

$$\begin{array}{r} \underline{-3.2x \quad -3.2x} \\ -4.9 = 5.2x + 6.7 \\ \underline{-6.7 \quad -6.7} \\ -11.6 = \underline{5.2x} \\ \underline{5.2 \quad 5.2} \\ \underline{-2.23 \approx x} \end{array}$$

$$\begin{aligned}
 13. \quad & \frac{1}{2}(2k-4) = 3(k+2) - 3k \\
 & \cancel{(2k)} - \frac{1}{2}(4) = 3(k) + 3(2) - 3k \\
 & k - 2 = \underline{3k} + 6 - \underline{3k} \\
 & k - 2 = 6 \\
 & \quad \quad \quad \begin{array}{r} +2 \quad +2 \\ \hline \end{array} \\
 & k = 8
 \end{aligned}$$

5. $2y + 5 = -y - 4$

$$\begin{array}{r} +y \quad +y \\ \hline 3y + 5 = -4 \end{array}$$