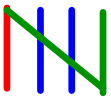



4th 6th 7th

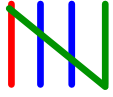
55-59 - A:

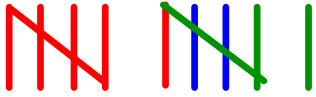
50-54 - B: 

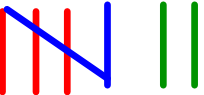
43-49 - C: 

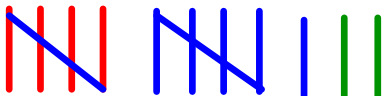
38-42 - D: 


00-37 - F: 

50-53 - A: 

45-49 - B: 

39-44 - C: 

34-38 - D: 

00-33 - F: 

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

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

$$\begin{array}{r} 3y = -9 \\ \hline \end{array}$$

$$\begin{array}{r} \frac{1}{3} \\ \hline \hline y = -3 \end{array}$$

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

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

$+4x \quad +4x$

$$9 = 7x + 2$$

$-2 \quad -2$

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

$$\underline{1 = x}$$

1. $27 - y = 7 - y$

$\frac{+y \quad +y}{ = }$

$27 = 7$

False

No Solution

$$\begin{aligned} 4. \quad \frac{1}{8}(64r+32) &= \frac{1}{2}(16r-8) \\ \frac{1}{8}(64r) + \frac{1}{8}(32) &= \frac{1}{2}(16r) - \frac{1}{2}(8) \\ 8r + 4 &= 8r - 4 \\ \underline{-8r \quad -8r} & \\ 4 &= -4 \\ \underline{\underline{\text{False No Solution}}} \end{aligned}$$

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

1

$$2. \quad 18 + 5n = 8n$$
$$\underline{-5n \quad -5n}$$

$$\frac{18}{3} = \frac{3n}{3}$$

$$\underline{\underline{6 = n}}$$

1 Solution

□

$$13. \frac{1}{2}(2k-4) = 3(k+2) - 3k \quad 14.$$

$$\frac{1}{2}(2k) - \frac{1}{2}(4) = 3(6) + 3(2) - 3k$$

$$k - 2 = \underline{3k} + 6 - \underline{3k}$$

$$k - 2 = 6$$

$$\begin{array}{r} k - 2 = 6 \\ + 2 \quad + 2 \\ \hline \end{array}$$

$$\underline{\underline{k = 8}}$$

$$3. -4(x+4) = -2(2x+8)$$

$$-4(x) + -4(4) = -2(2x) + -2(8)$$

$$\begin{array}{r} -4x - 16 = -4x - 16 \\ +4x \qquad +4x \\ \hline \end{array}$$

$$-16 = -16$$

True...Identity

16. $7x + 19 = 11$

$$\frac{-19 - 19}{-19 - 19}$$

$$\frac{7x}{7} = \frac{-8}{7}$$

exact $\rightarrow x = \underline{\underline{\frac{-8}{7}}}$

Approx $\rightarrow \underline{\underline{x \approx -1.14}}$

$$\begin{aligned} 6. \quad & 13m = 15m + 4 \\ & \underline{-13m \quad -13m} \\ & 0 = 2m + 4 \\ & \underline{-4 \quad \quad -4} \\ & -4 = 2m \\ & \underline{\quad \quad \quad 2} \\ & -2 = m \\ & \underline{\underline{\quad \quad \quad -2}} \end{aligned}$$

$$10. \quad -3(4-r) + 4r = 2(4+r)$$

$$-3(4) + 3(r) + 4r = 2(4) + 2(r)$$

$$-12 + 3r + 4r = 8 + 2r$$

$$-12 + 7r = 8 + 2r$$

$$\begin{array}{r} -12 + 7r = 8 + 2r \\ \hline -12 + 5r = 8 \end{array}$$

$$\begin{array}{r} -12 + 5r = 8 \\ +12 \qquad +12 \\ \hline 5r = 20 \end{array}$$

$$\frac{5r}{5} = \frac{20}{5} \quad r = \underline{\underline{4}}$$

$$\begin{aligned} 11. \quad & 8n + 4(-5 - 7n) = -2(n + 1) \quad | : \\ & 8n + 4(-5) - 4(7n) = -2(n) + -2(1) \\ & 8n + \underline{-20} - \underline{28} = -2n - 2 \\ & 8n - 48 = -2n - 2 \end{aligned}$$

helmet for \$28. How many hours do you need to use the trail to justify buying your own helmet?

$$\begin{array}{r} \text{rent} \\ 10h \\ \xrightarrow{-7h} \\ \hline 3h = 28 \\ \xrightarrow{\div 3} \\ h = 9.33 \end{array} = \begin{array}{r} \text{own} \\ 7h + 28 \\ \xrightarrow{-7h} \\ \hline \end{array}$$

Rent it
for 10hrs

Solve the equation. Give me two answers.

18. $18y - 8 = 4y - 3$

$$\begin{array}{r} -4y \quad -4y \\ \hline \end{array}$$

$$14y - 8 = -3$$

$$\begin{array}{r} +8 \quad +8 \\ \hline \end{array}$$

$$\begin{array}{r} 14y = 5 \\ \hline 14 \quad 14 \end{array}$$

$$y = \frac{5}{14} \leftarrow \text{exact}$$

$$\underline{\underline{y \approx .36}} \leftarrow \text{approx}$$