-1. Solve 55t + 150 = 436.

$$\begin{array}{c} \textbf{f} & t = 3.38 \\ \textbf{f} & t = 5.2 \\ \textbf{f} & t = 2.13 \\ \textbf{f} & t = 10.7 \end{array}$$

2. Solve -12 = 4m + 5.

$$C_{m=-44} = \frac{1}{4} = (-\frac{17}{4})$$

$$C_{m=44} = \frac{3}{4} = (-\frac{17}{4})$$

$$C_{m=14} = \frac{3}{4} = (-\frac{17}{4})$$

$$C_{m=-144} = (-\frac{17}{4})$$

- 3. Which statement describes how you can solve the equation 15+4=60 in two steps?
- Subtract 4 from both sides, and then multiply both sides by 15.
- Subtract 4 from both sides, and then divide both sides by 15.
- Subtract -4 from both sides, and then multiply both sides by 15.
- Multiply 60 by 15, and then subtract 4.

5. Solve the equation
$$4 = \frac{(12-z)}{-6}$$
 (Multiply both sides by -6 Arst)

$$z = 36$$

$$z = 2$$

$$z = 12$$

$$z = 14$$
1. Solve the equation $3(x - 8) = -15$.

$$ation 3(x-8) = -15. \qquad (pispribulation)$$

$$x = -13$$

$$x = -\frac{7}{3}$$

$$x = -\frac{23}{3}$$

$$x = 3$$

$$x = -1$$

$$x = -\frac{55}{6}$$

$$x = -15$$

3. Solve the equation $12y - \frac{2}{3} = -1$.

multiply every part by 3 first

$$y = -\frac{1}{36}$$

$$y = -\frac{7}{36}$$

$$y = -\frac{7}{24}$$

$$y = -\frac{1}{24}$$
4. Solve the equation $12n + 8 - 5n = 42$.

Simply Left side first.

5. John and his friend order lunch at a local sandwich shop. They each order a soft drink that costs \$1.65. John orders a whole ham sandwich and his friend orders half of a ham sandwich. Their total bill is \$12.54. What equation can you use to find the cost c of a sandwich, and what is the value of c?

•
$$2(1.65) + c + \frac{1}{2}c = 12.54; c = 6.16$$

• $1.65 + c + \frac{1}{2}c = 12.54; c = 14.84$
• $1.65 + c + \frac{1}{2}c = 12.54; c = 6.60$
• $2(1.65) + c + \frac{1}{2}c = 12.54; c = 13.86$

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2. Write the expression modeled by the number line shown. Then find the sum.

$$1 + (-3) = 4$$

$$1 + (-4) = -3$$

$$4 + (-3) = 1$$

3. Evaluate n + (-3.8) for n = 1.7.

4. Evaluate
$$-n + 12$$
 for $n = 1$

5. Simplify
$$\begin{bmatrix} 13.7 \\ 10.3 \\ -13.7 \\ -7 \\ 8 \\ 2 \\ -3 \end{bmatrix} + \begin{bmatrix} -3 \\ -6 \\ 3 \end{bmatrix}$$

•
$$\mathbf{r} \begin{bmatrix} 4 & -6 \end{bmatrix}$$
• $\mathbf{r} \begin{bmatrix} -10 & 12 \\ -4 & 0 \end{bmatrix}$
1. Simplify $-\frac{5}{8} - \frac{3}{4}$.

2. Evaluate
$$-x - y$$
 for $x = -8$ and $y = -4$.

3. On Tuesday, the closing price of an ABC company share was \$38.50. It had risen \$4.08 from the previous day. Find the closing price of an ABC stock on Monday.

5. Evaluate -3a - |b| for a = 4.2 and b = -3.1.