2.3 HW ?'s

16, 18, 22, 28, 30, 26, 32, 20, 34, 14

85%

14 $t(4-1)+9=27$

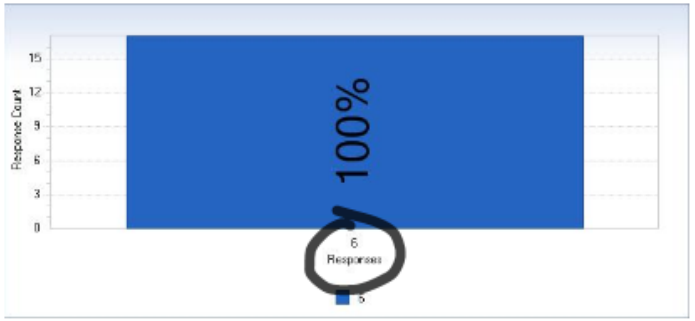
$t \cdot 3 + 9 = 27$

$3t + 9 = 27$

$\quad -9 \quad -9$

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

$t = 6$



16

$$17 = 4(a-2) + 2a$$

85%

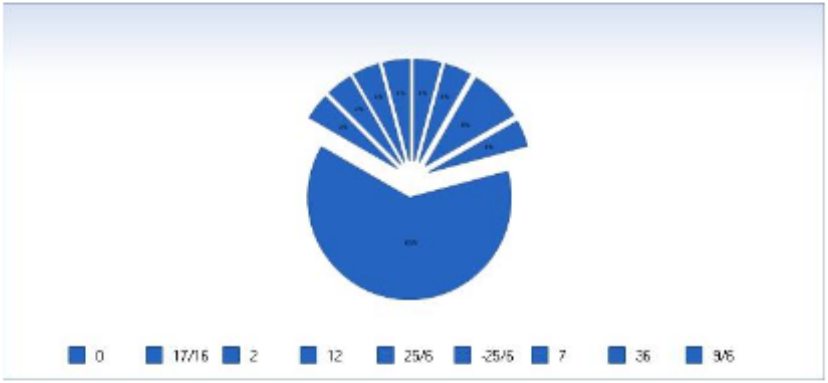
$$17 = 4a - 8 + 2a$$

$$17 = 6a - 8$$

$$+8 \qquad +8$$

$$\frac{25}{6} = \frac{6a}{6}$$

$$a = \frac{25}{6}$$



18. $\frac{\cancel{2}\left(\frac{x}{4}-1\right)}{\cancel{2}} = \frac{8}{2}$

$\frac{x}{4} - 1 = 4$

$+1 \quad +1$

$\frac{\cancel{4}}{1} \cdot \frac{x}{\cancel{4}} = 5 \cdot 4$

$x = 20$

58% ☹

20

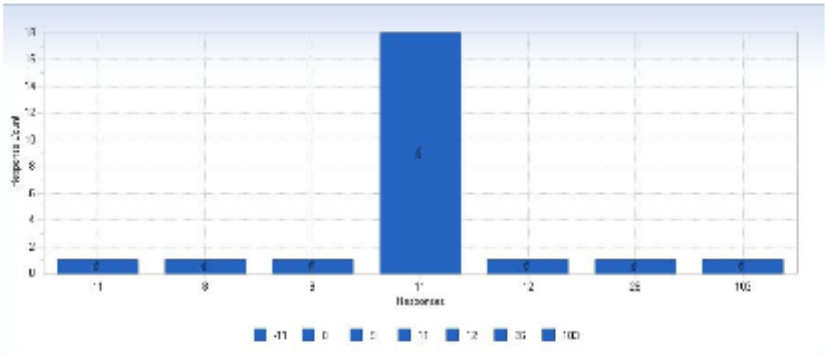
$$\frac{x-1}{2} = 5.2$$

$$x - 1 = 10$$

$$+1 \qquad +1$$

$$x = 11$$

75%



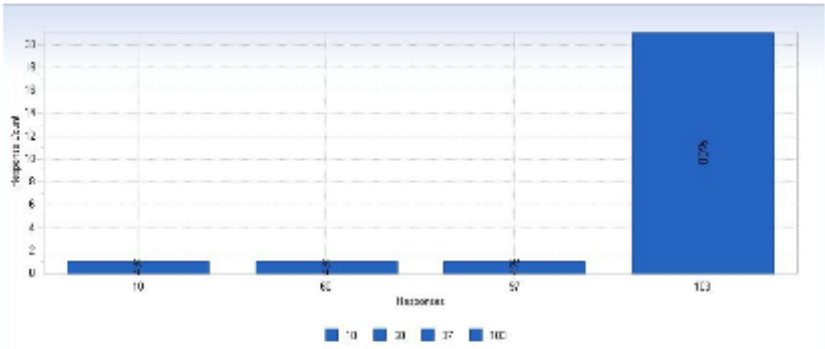
22. $\cancel{4} \cdot \dfrac{-3+y}{\cancel{4}} = 25 \cdot 4$

$-3+y = 100$

$+3 \qquad +3$

$y = 103$

88%



24.

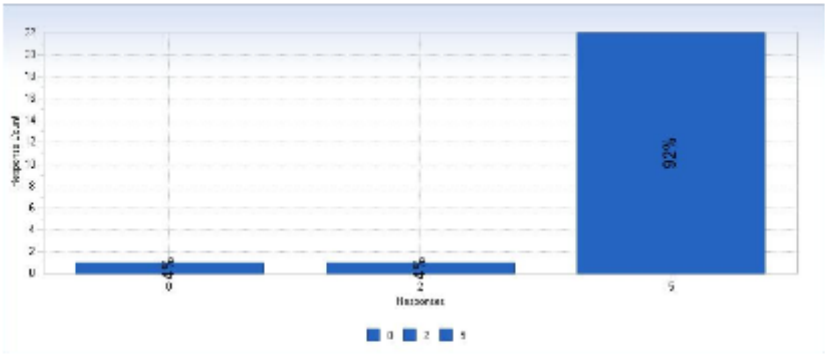
$$11 = 2g + 6 - 5$$

$$11 = 2g + 1$$

$$\frac{10}{2} = \frac{2g}{2}$$

$$5 = g$$

92%



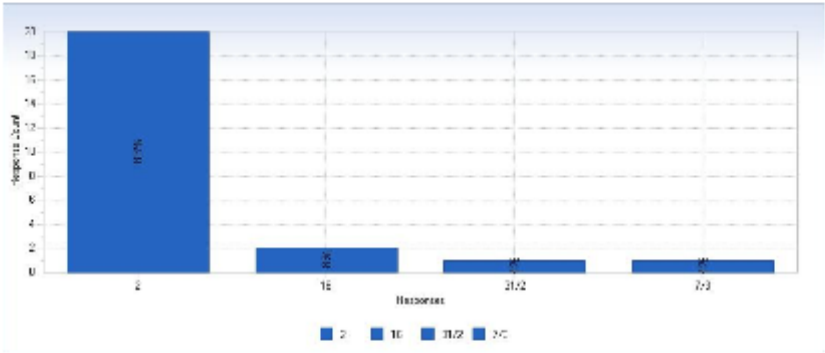
30. $8(x+2) = 32$

$$8x + 16 = 32$$
$$-16 \qquad -16$$

$$\frac{8x}{8} = \frac{16}{8}$$

$$x = 2$$

83%.



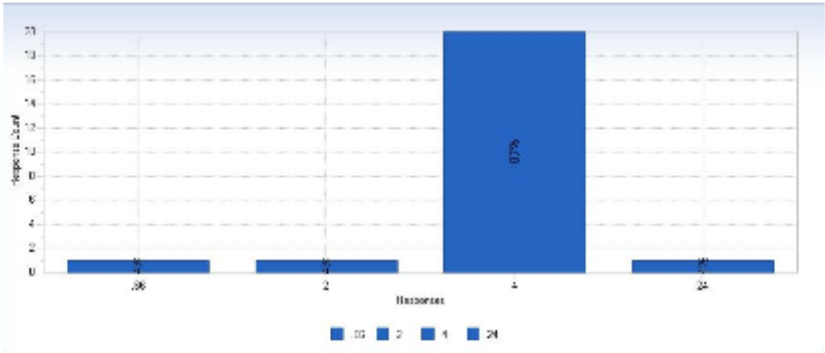
34. $6(y-4)=0$

$6y-24=0$

$6y=24$

$y=4$

87%.



28

$$1.5v - .9v + 2.1 = 4.5$$

$$.6v + 2.1 = 4.5$$

$$-2.1 \quad -2.1$$

$$\frac{.6v}{.6} = \frac{2.4}{.6}$$

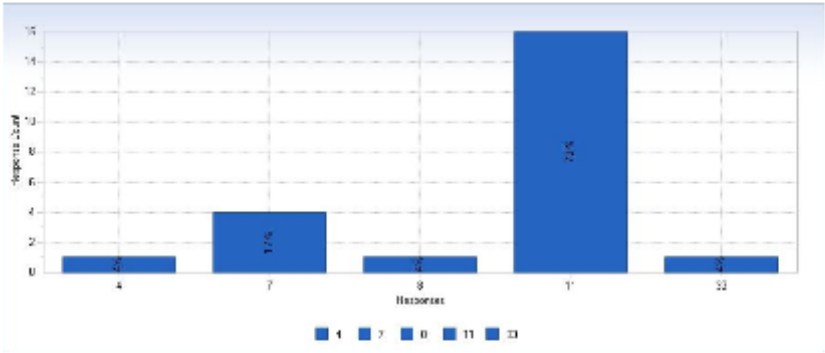
$$v = 4$$

$$\begin{array}{r} 1.15 \\ -\ .9 \\ \hline .6 \end{array}$$

$$\begin{array}{r} 4. \\ .6\overline{)2.4} \end{array}$$

32

$15 = 3(K-6)$



2.4 Solving Equations w/ Variables on Both sides

CA #4, 5 9/17/10

Ex. 1A

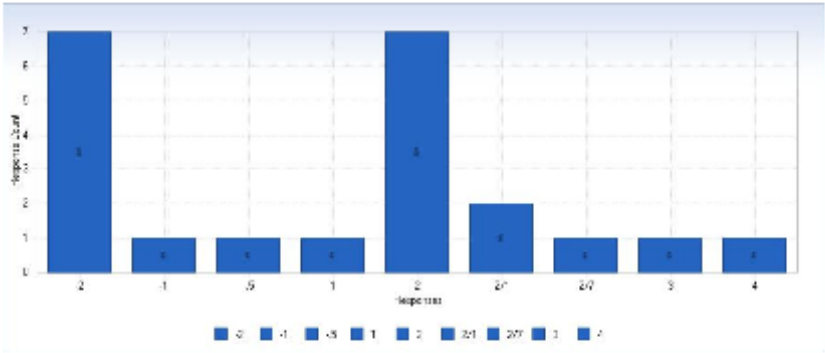
$$7K = 4K + 15$$
$$-4K \quad -4K$$

$$\frac{3K}{3} = \frac{15}{3}$$

$$K = 5$$

VIA

$$4b + 2 = 3b$$
$$-3b \qquad -3b$$
$$b + 2 = 0$$
$$-2 \qquad -2$$
$$b = -2$$

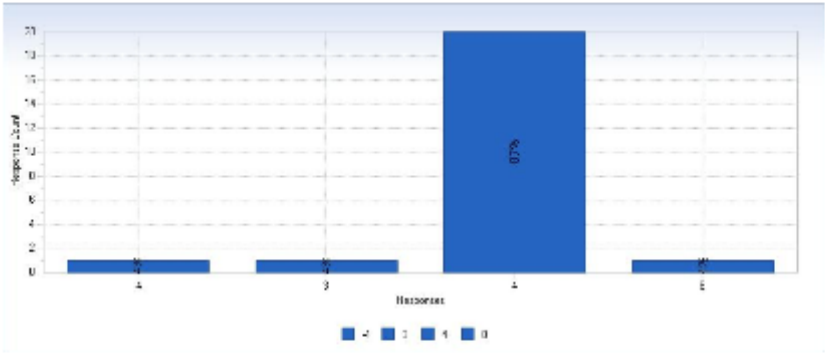


1B

$$5x - 2 = 3x + 4$$
$$-3x \qquad -3x$$
$$2x - 2 = 4$$
$$+2 \qquad +2$$
$$2x = 6$$
$$x = 3$$

✓ 1B $7n - 2 = 5n + 6$ 85%

87%.



Ex.2

$$\cancel{2 = 18} = 3(12)$$

$$2(y+6) = 3y$$

$$2y + 12 = 3y$$

$$-2y \qquad\qquad -2y$$

$$12 = y$$

Ex.2B $2K-5=3(1-2K)$

$$2K-5=3-6K$$

$$+6K \qquad\qquad +6K$$

$$8K-5=3$$

$$+5 \quad +5$$

$$\frac{8K}{8}=\frac{8}{8}$$

$$K=1$$

2b.

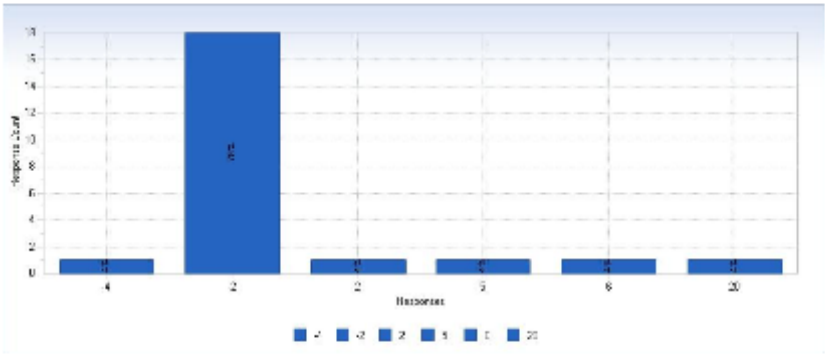
$$3x + 15 - 9 = 2(x+2)$$

$$3x + 15 - 9 = 2x + 4$$

$$3x + 6 = 2x + 4$$

$$-2x \qquad -2x$$

$$x + 6 = 4$$

$$-6 \qquad -6$$

$$x = -2$$