1.2 H.W. Questions: #23

23

$17 + (+6) = 23$

dist $= 8 - 5 = 3$

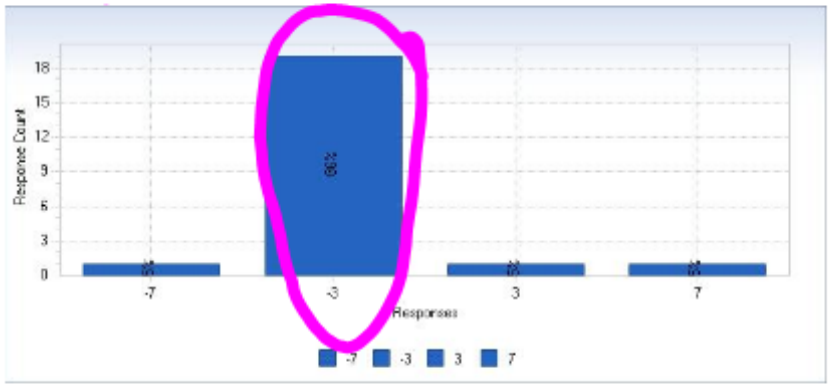
1.1, 1.2 HW Quiz

P.41 # 2-10 even
11-14 all

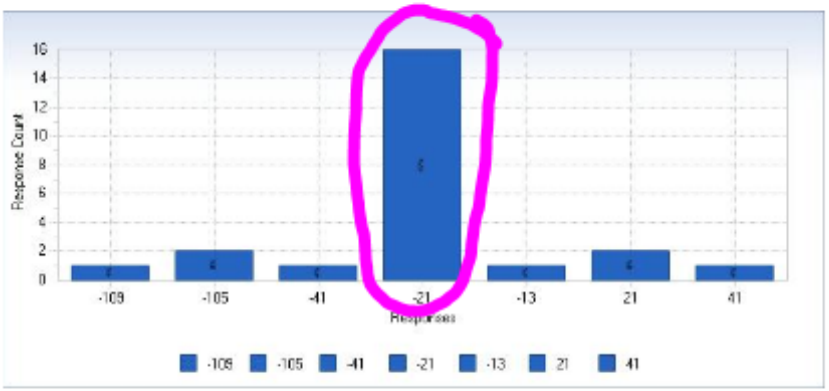
Practice...

$-4 - 8 = -12$

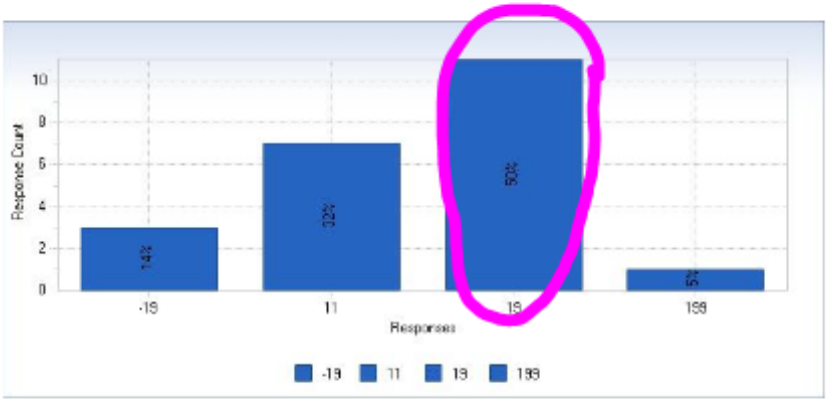
$-5 + 2 = {}^{-}3$



$$42 + -(63) = {}^{-}21$$


16
14
12
10
8
6
4
2
0
Response Count
-109
-105
-41
-21
-13
21
41
Responses
-109
-105
-41
-21
-13
21
41

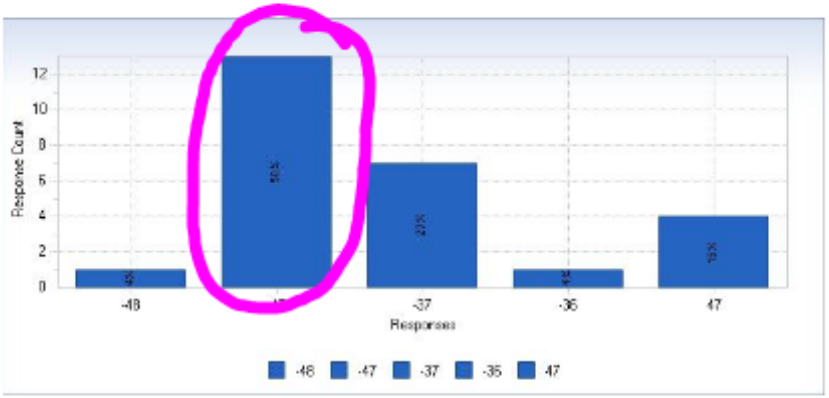
$15 + (+4) = 19$



$10 + {}^{-}21 = {}^{-}11$

$5 + (+3) = 8$

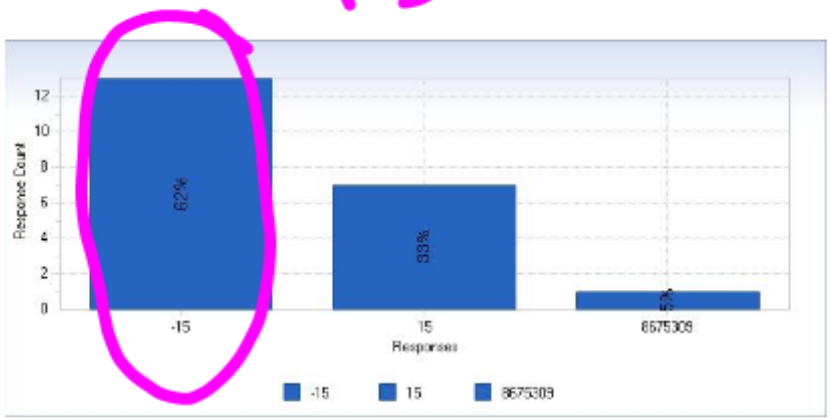
$-42 - 5 = {}^{-}47$



$42 + (-56) = {}^{-}14$

$4 + (+3) = 7$

$-12 - 3 = {}^{-}15$



$25 - 28 = {}^{-}3$

$-14 - 2 = {}^{-}16$

$4 - (-2) =$

Now for fractions...

$$\frac{2 \cdot 8}{3 \cdot 8} - \frac{5 \cdot 3}{8 \cdot 3}$$

$$\frac{16}{24} - \frac{15}{24} = \frac{1}{24}$$

Yikes!

$$\frac{2 \cdot 10}{3 \cdot 10} - \frac{8 \cdot 3}{10 \cdot 3}$$

$$\frac{20}{30} - \frac{24}{30} = -\frac{4}{30}$$

dont know how

$$\frac{2 \cdot 9}{7 \cdot 9} - \frac{5 \cdot 7}{9 \cdot 7}$$

$$\frac{18}{63} - \frac{35}{63} = -\frac{17}{63}$$

dont know how

$\boxed{1.3}$ $\times, \div$ Real #'s

Ex.1 A $-12 \cdot 5$

one negative (odd #) $= -60$

Ex. 1B $8\left(\frac{-5}{4}\right) = \frac{\cancel{8}^{2}}{1} \cdot \frac{-5}{\cancel{4}_{1}} = -10$

one negative (odd #)

Ex. 2A $\frac{-4}{5} \div \left(-\frac{8}{15}\right) = +$

$\frac{-\cancel{4}^{1}}{\cancel{5}_{1}} \cdot \frac{-\cancel{15}^{3}}{\cancel{8}_{2}} = \frac{+3}{2}$

2 negatives (even)

2B $-4 \div 9\frac{1}{4}$

$= \frac{-4}{1} \div \frac{37}{4}$

$= \frac{-4}{1} \cdot \frac{4}{37} = -\frac{16}{37}$

one negative (odd)

Ex.3 A $0 \div 16 = 0$

$$\frac{0}{16} = 0$$

B $4 \div 0 =$ undefined

$$\frac{4}{0} = \text{undefined}$$

1.4 Powers & Exp.

Ex1 B $x \cdot x \cdot x = x^3$

Ex.2 A $(-2)^3 =$

$(-2)(-2)(-2) = -8$

B -5^2

$-1 \cdot 5 \cdot 5 = -25$