1. Solve $\dfrac{x}{3} - 12 = -4$ and check your answer:

2. What two numbers would make the absolute value equation true?

$$|6 + \underline{\quad}| = 3$$

3. Dan was looking for two integers that have a sum of –6 and a product of 9. She said –3 and –4. Is she correct? Explain.

4. What is the mean of the following data set? How did you compute the mean? Write your steps out.
     –1, 15, –7, 8, –1, 3

5. –17 + (25) has the same result as which of the following?
     a. 17 + 25
     b. –(17 + 25)
     c. 17 + (–25)
     d. –[(–17) + (–25)]

6. Write the expression that could be used to represent "take a number x, triple it, and then take that result away from 18"?

7. You borrow $10.00 from your sister and then pay her back $8.00. Then you borrow another $5.00. What is the resulting balance? *(How much do you still owe her?)*

8. Select *all* values equivalent to $\frac{-15}{-7}$

a. $-\frac{15}{7}$

b. $-2\frac{1}{7}$

c. $1\frac{2}{7}$

d. $2\frac{1}{7}$

e. $\frac{15}{7}$

9. What are the values of **n** that would make the following equations true?

    a. $(ny + 1) + (2y + 1) = (11y + 2)$

    b. $(4x + 5) - (nx + 6) = (7x - 1)$

    c. $(nz) + (nz + 17) = (12z + 17)$

10. Which expression below has the greatest value? What is your strategy?

a. $10 - 12$
b. $-10 - 12$
c. $10 - (-12)$
d. $-10 - (-12)$

11. What is the decimal equivalent of $\frac{10}{8}$? How did you get your answer?

12. In a bag of trail mix, there are 14 grams of peanuts for every 4 grams of raisins. How many grams of peanuts are there for every 1 gram of raisins? *(Hint: find the unit rate!)*