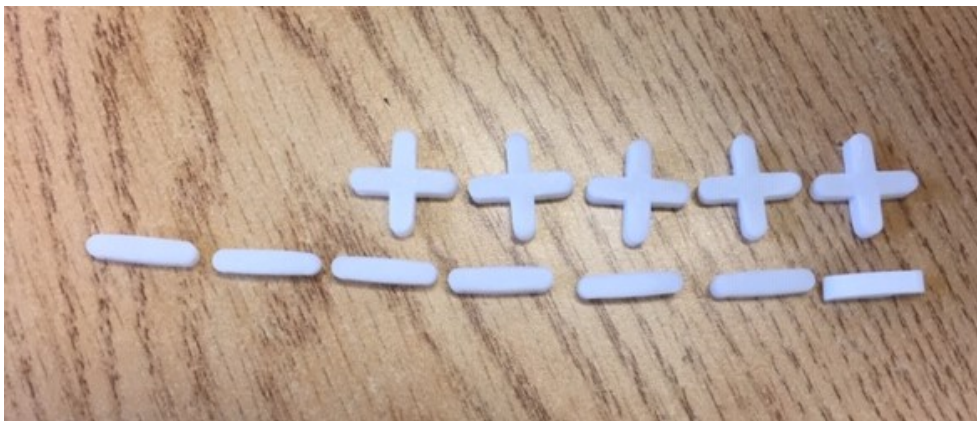


2-56.

WHO HAS MORE?

With a partner, get a bag of + and - tiles from your teacher. Reach into the bag, get a small handful, and put them on your desk. Each person should have his or her own bunch of + and - tiles.

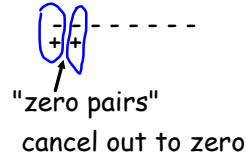
- Write what you got on your paper.
- Whose pile has the greatest value? Find the value of each pile to justify your answer.
- If you took a bigger handful of tiles, would you have a better chance of having a higher value? Discuss this with your partner and decide why or why not.



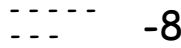
For each expression below:

- Build each expression with + and - tiles.
- Sketch each collection of + and - tiles and find the value of the expression.
- Write the solution as an equation.

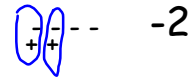
a. $-8 + 2 = -6$



b. $-5 + (-3)$



c. $2 + (-4)$



d. $-7 + (-7)$

----- **-14**

e. $-4 + 3$

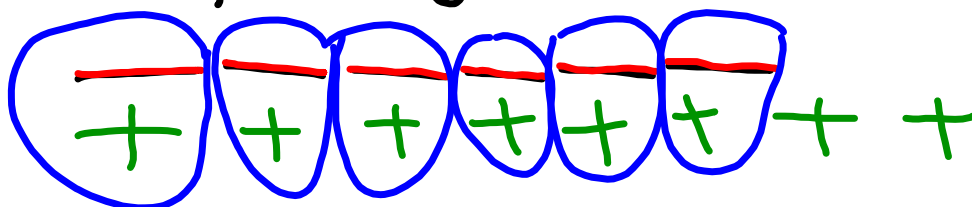
----- **-1**

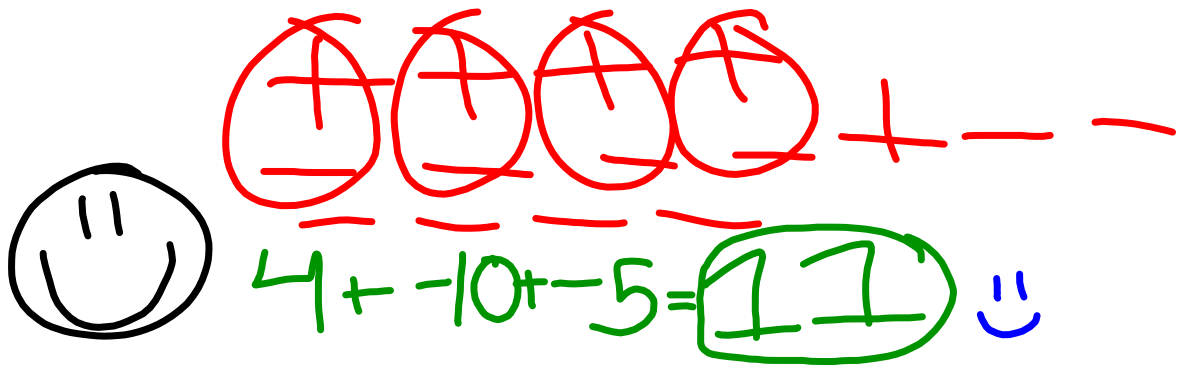
f. $-4 + 8 + (-2)$

----- **2**

$$-4 + 8 + -2 = 2$$

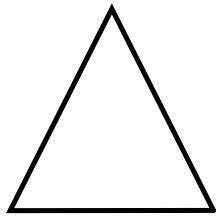
$$-4 + 8 + -2 = 2$$



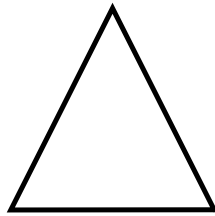


A hand-drawn diagram illustrating the addition of integers. On the left is a simple smiley face. To its right, a number line is drawn in red. It features four positive integers (1, 2, 3, 4) and three negative integers (-1, -2, -3). Below the number line, the expression $4 + -10 + -5 = 11$ is written in green. The result '11' is circled in green, and a blue smiley face is drawn to the right of the equals sign.

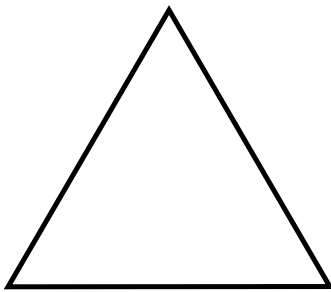
$0.\overline{85}$

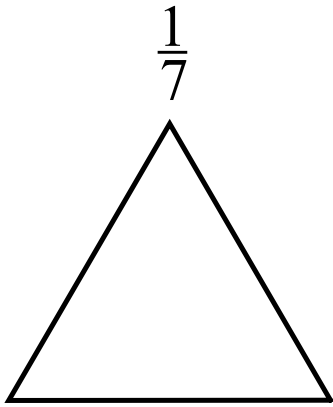


$0.\overline{123}$



110%





Which of the events below is most likely to happen? Justify your answer by rewriting the portion in a different form. In each case, show your thinking with pictures or with labeled calculations.

- a. A $\frac{4}{5}$ chance that the teacher will assign homework today.
- b. A 78% chance of a thunderstorm tomorrow.
- c. A $\frac{7}{10}$ probability of picking a green marble.

