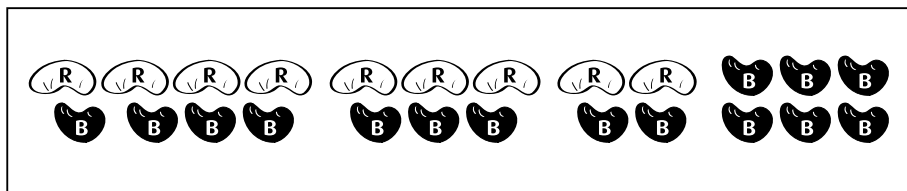


Anytime you add an integer and its opposite (like +4 and -4) you end up with zero. Numbers and their opposites are called zero pairs because their sum is zero. We say they “cancel each other out.”

- What happens if you are overdrawn \$8 and you deposit \$8? Use the beans to model your account balance. Do you have any beans left over? How many zero pairs do you have?
- Suppose you are overdrawn \$9 and deposit \$15 to cover the overdraft. Using the beans, model what happens to your account balance. How many zero pairs do you have? How much money do you now have in your checking account?
- Let’s draw what you discovered.



Now write the equation.

- Try the following with beans. Use the table below to record your bank account transactions.

Overdrawn	Deposit	Zero Pairs	Account Balance	Equation
-10	\$13			
-12	\$20			
-14	\$29			

### Here’s More. . .

What would happen if you were overdrawn \$35 and you deposited \$21? Draw this transaction and write the equation for your bank balance now.