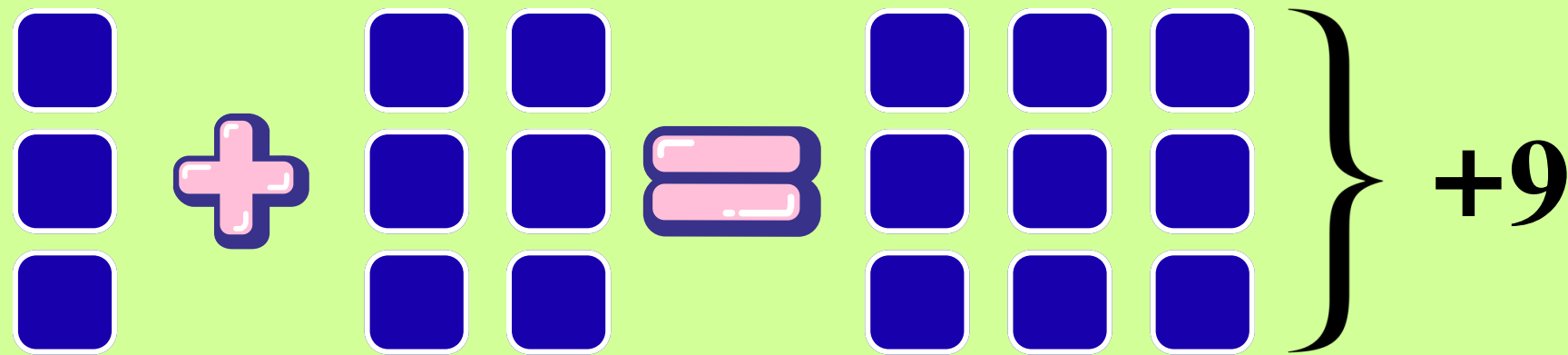


ADDING AND SUBTRACTING OF INTEGERS USING ALGEBRA TILES

Adding Integers Using Algebra tiles

Example:

$$1. \ 3 + 6 = 9$$

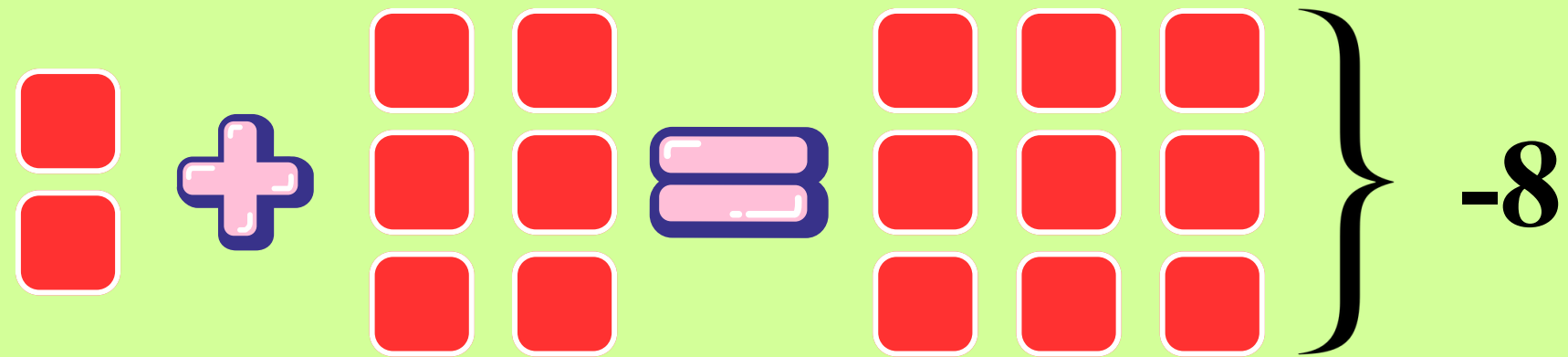


Blue tiles represent as positive integers,
then, $3 + 6 = 9$

Adding Integers Using Algebra tiles

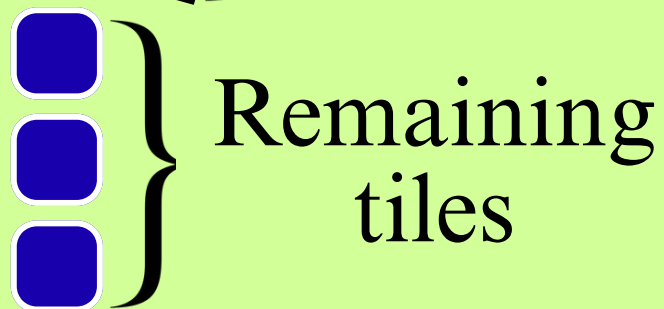
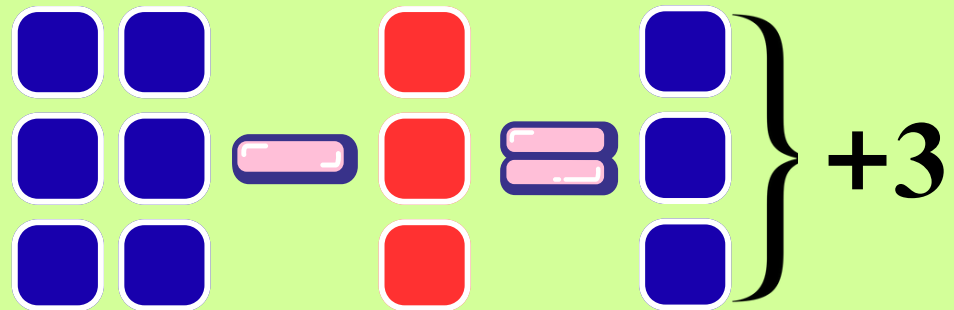
Example:

$$2. -2 + (-6) = -8$$



Red tiles represent as negative integers,
then, $-2 + (-6) = -8$

$$3. 6 + (-3) = 3$$



The three pairs of blue and red tiles are cancelled out. Therefore, the three remaining blue tiles represent the answer. Since blue tiles or counters are positive, the answer is positive 3.

Step 1: Pair each negative tile or counter with a positive one to illustrate zero pairs, where they balance to zero.

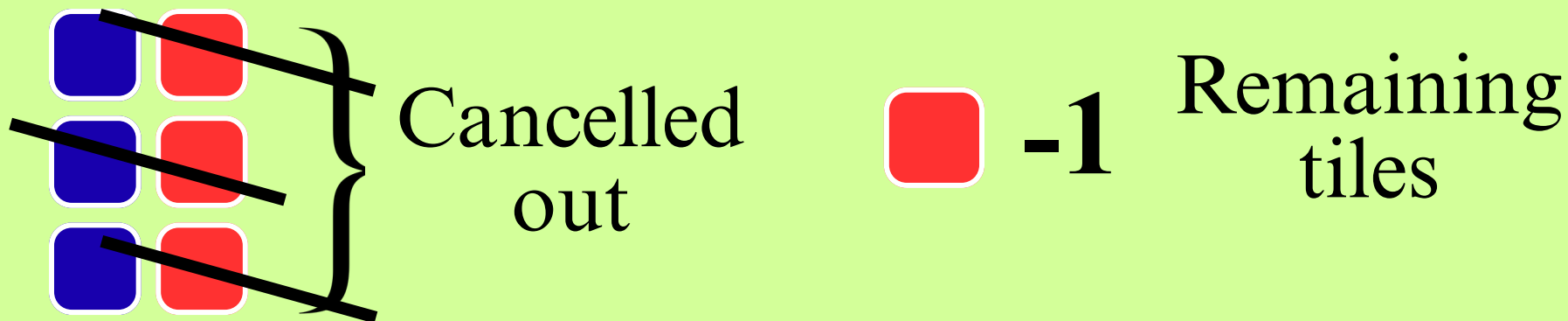
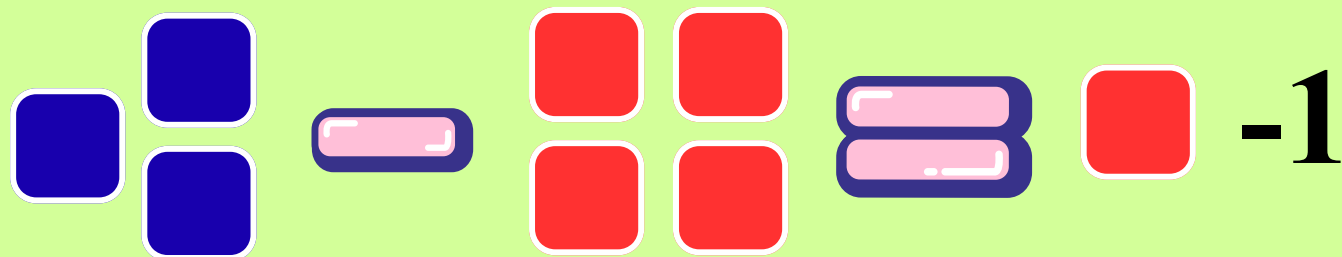
Step 2: Each pair of blue and red tiles is considered cancelled out.

Step 3: The remaining colours will represent your answer.

Subtracting Integers Using Algebra tiles or positive and negative counters.

Example:

1. $3 - (+4)$ or $3 - 4 = -1$



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

$$-4 + 8$$

$$+4$$

Cancelled out

Step 1: Negative multiply by negative is positive.

Step 2: Rewrite the expression.
Then, $-4 + 8$

+4 Remaining tiles