

17.2

Explore Adding Integers

Hands On Activity

You can use two-color counters to add integers.

You Will Need

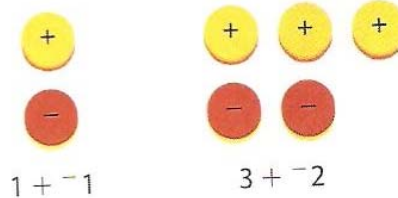
- two-color counters



Use Models

STEP 1

Let the yellow counters represent positive integers and red counters represent negative integers.

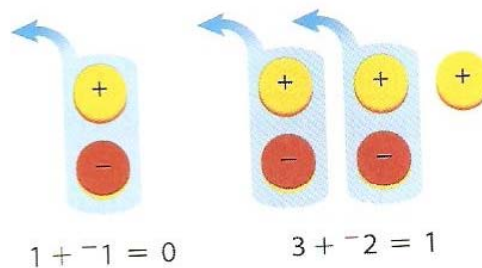


$$1 + -1$$

$$3 + -2$$

STEP 2

One yellow counter and one red counter represent a *zero pair*. To find the sum of two integers, take away zero pairs and count what is left.



$$1 + -1 = 0$$

$$3 + -2 = 1$$

STEP 3

Use two-color counters to find each sum. Record your work.

positive + positive	$3 + 4$	$5 + 6$	$7 + 8$	$9 + 2$
positive + negative	$3 + -5$	$5 + -1$	$8 + -6$	$9 + -9$
negative + positive	$-5 + 6$	$-2 + 7$	$-6 + 3$	$-4 + 4$
negative + negative	$-2 + -6$	$-3 + -5$	$-5 + -4$	$-7 + -8$