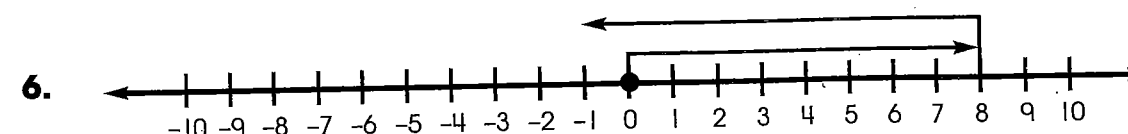
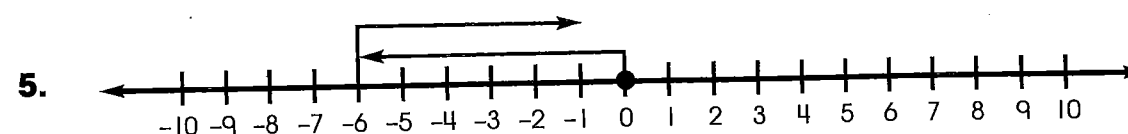
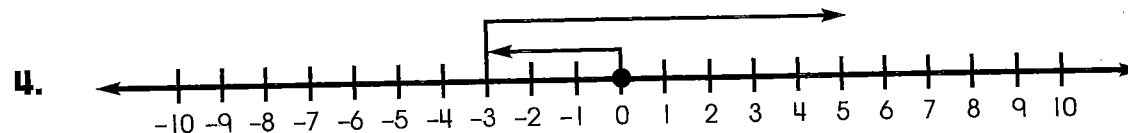
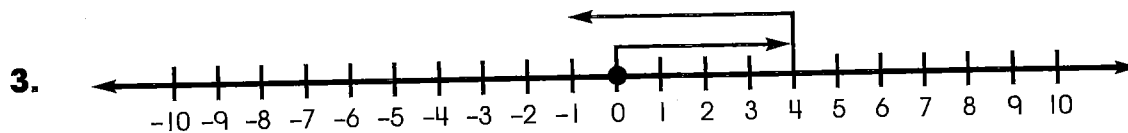
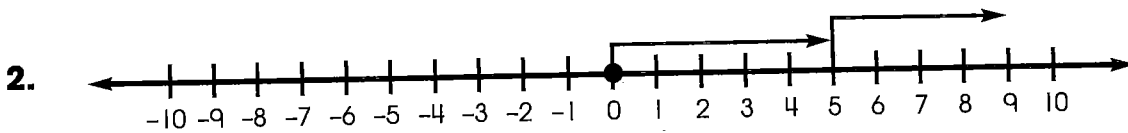
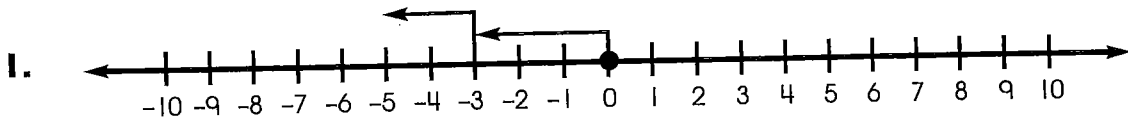
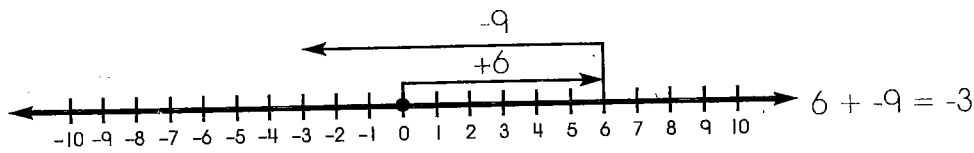
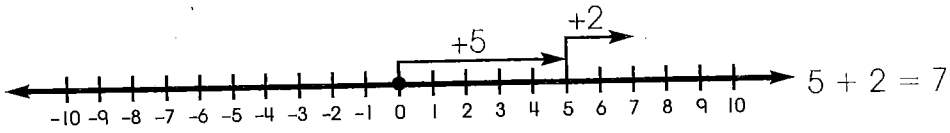




## Adding Integers

In each row, label the arrows. Write the resulting expression.

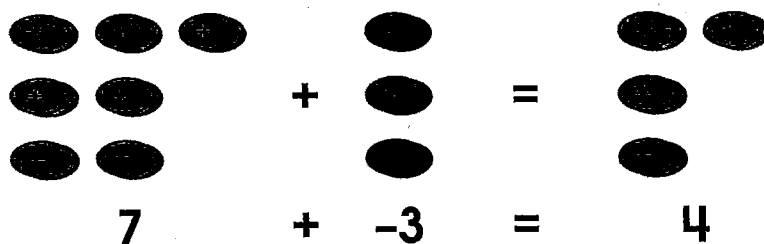




## Investigating Integer Addition

You can explore addition of integers with a fun game. In this game, you will use chips to show what happens when integers are added. In order to play, you will need 40 chips: 20 red chips and 20 blue chips. The game is described using red and blue chips, but you can use chips of any color. If you do not have chips, you can use other small objects, such as coins or buttons. In the descriptions below, the red chips are negative, and the blue chips are positive.

At right is a drawing that shows what happens when you subtract a group of 3 red (-) chips from a group of 7 blue (+) chips.



The 3 red (-) chips cancelled out 3 of the blue (+) chips, leaving behind 4 blue (+) chips.

These chips act in the same manner as integers. The example above shows exactly what happens when you add 7 and -3. The opposites pair up and vanish, leaving positive 4.

Use your chips to determine the results of the following situations. Describe what chips are left. The remaining chips should be all red (-) or all blue (+) since all the pairs vanish. Keep all ten groupings of your chips for the activity on the next page.

1.  $-5 + 3 = \underline{\quad}$

2.  $8 + -6 = \underline{\quad}$

3.  $-4 + -8 = \underline{\quad}$

4.  $4 + 3 = \underline{\quad}$

5.  $10 + -5 = \underline{\quad}$

6.  $-10 + 5 = \underline{\quad}$

7.  $-2 + -3 = \underline{\quad}$

8.  $6 + -6 = \underline{\quad}$

9.  $5 + 7 = \underline{\quad}$

10.  $-10 + 10 = \underline{\quad}$