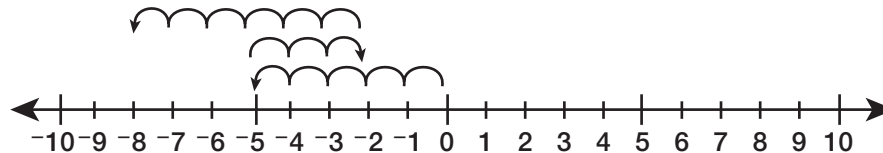


Problem-Solving Application: Use Integers

Read It Look for information.

On three consecutive plays, a football team lost 5 yards, gained 3 yards, and lost 6 yards. What is the total number of yards lost?

Picture It Here is a model of the information.



Solve It Use the model to solve the problem.

Step 1: Start at 0. Move left 5 units to find where the team was after the first play.

Step 2: Start at -5 . Move right 3 units to find where the team was after the second play.

Step 3: Start at -2 . Move left 6 units to find where the team was after the third play.

The football team lost a total of 8 yards, which can be written as -8 .

Try These! Use a model to solve.

Show Your Work

1. During the last three days, the temperature rose 5° , fell 8° , and rose 1° . How many degrees did the temperature change in the three days?

2. On three consecutive plays, a football team gained 3 yards, lost 4 yards, and lost 2 yards. What is the total number of yards the team gained or lost?

3. Jane and Carlos trade baseball cards. Jane gave Carlos 6 cards the first day. Carlos gave Jane 8 cards the second day. Jane gave Carlos 1 card the third day. How many cards did Carlos gain or lose in 3 days?
