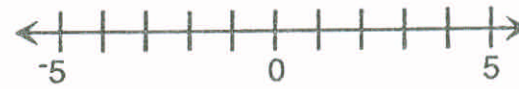
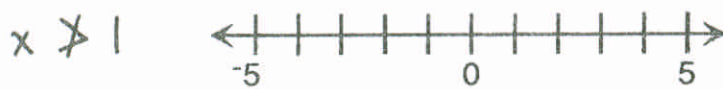
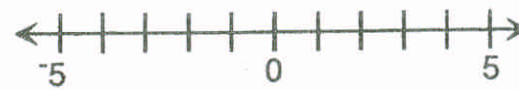
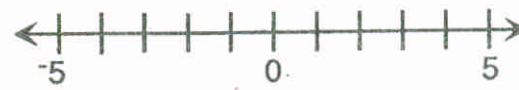
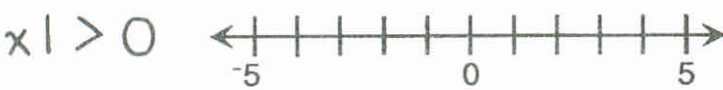
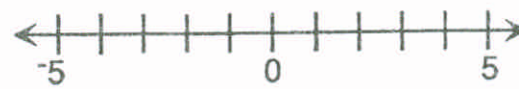
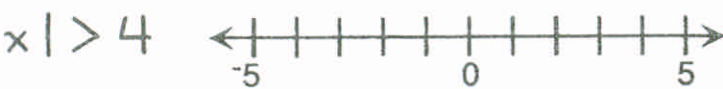
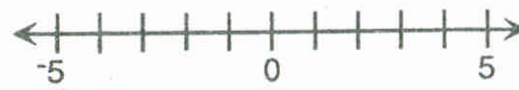
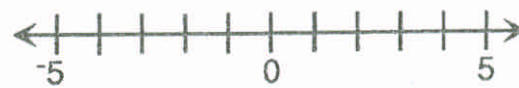
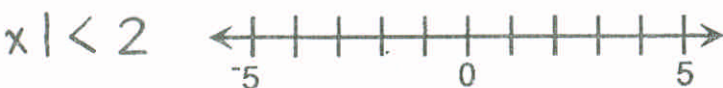
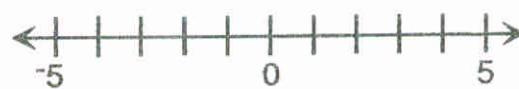
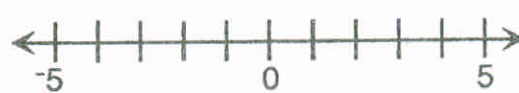
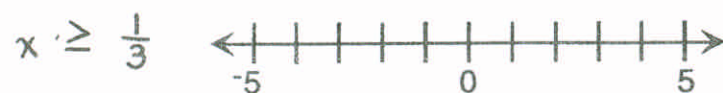
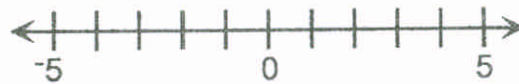
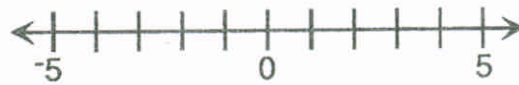
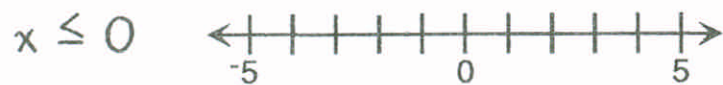
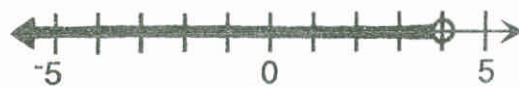


The graph of an inequality depends on what kinds of numbers we allow as solutions. The set of numbers we allow as solutions is called the **replacement set**.

In the first problem below we have shown what the graph of $x < 4$ looks like when only integers are allowed as solutions and what it looks like when all rational numbers are allowed as solutions. Make a graph of each inequality for each replacement set.

Integers

Rational Numbers



From now on in this book we'll always use rational numbers as our replacement set.