# Uni 9 : Vocobulory <br> ond Big ldeos: Rouional Numbers <br> ond $\frac{1}{2}$ Re <br>  

(a) point at 0 . The point of intersection of the $x$ axis and $y$-axis is called the origin of the coordinate plane.

Posinive Numberss postive numbers are to the right of, or above, 0 (the origin).

Negutive numberss negative numbers are to the left of, or below, 0 (The
origin).
 whole numbers, their opposittes, and zero.

Absolute Volue: a measure of the distance a number is from zero on a number line.

Ronionol Number: a number that can be expressed as a fraction as $\frac{a}{b}$ when a and b are both integers and $\mathrm{b} \neq 0$.

Coordinate Plome: aplane together with a pair of perpendicular number lines that intersect at 0 on each number line. The perpendicular number lines are called axes.

Example: The coordinate plane is divided into four quadrants by the $x$ - and $y$-axes. Below is the first quadrant of the coordinate plane.


Os Qup coordinate plane into four regions called quadrants. Beginningin the upper right quaadrant and moving in a counter alockwise direction.

Example:



