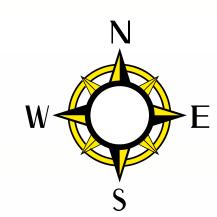
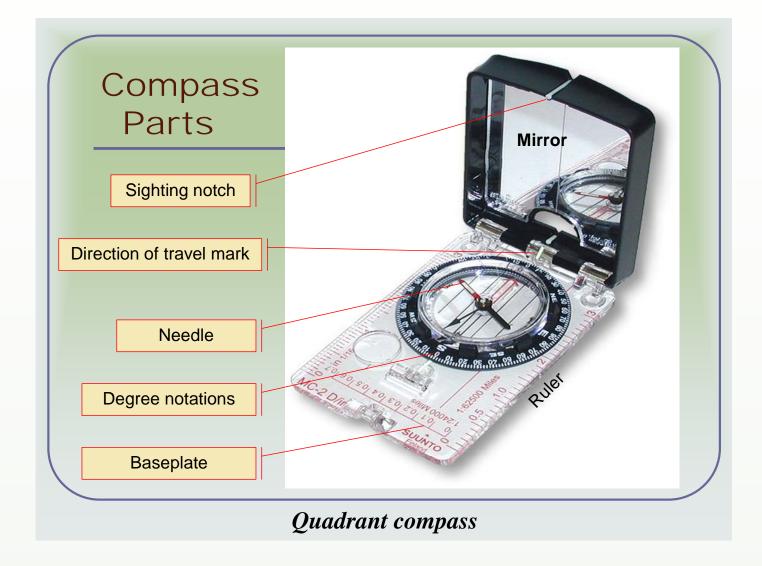


Navigating With a Compass





What do the numbers mean?

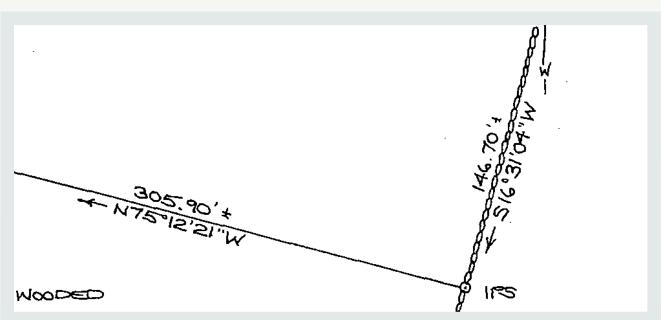
Bearings are in 90-degree quadrants

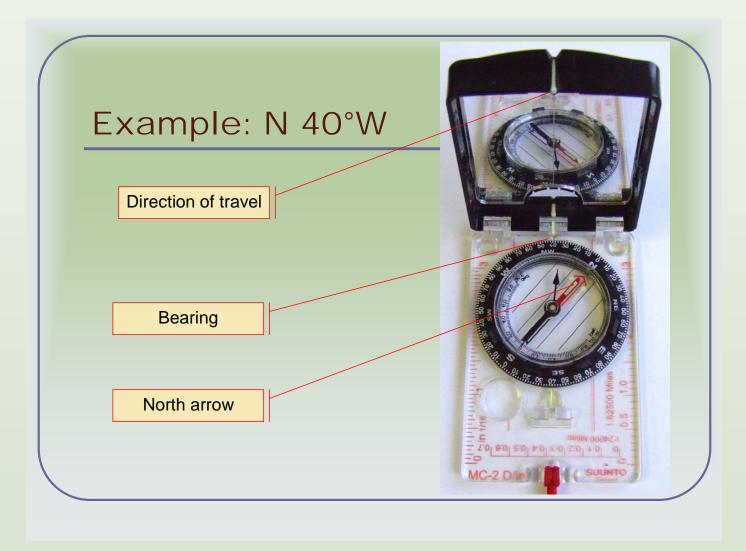
Example: S 72° W

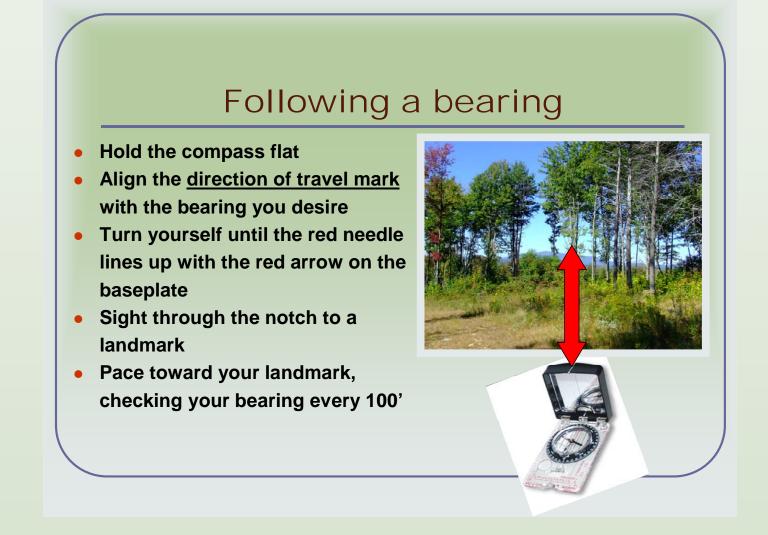
Azimuths are in terms of the 360 degrees of a circle

Example: 184°

Surveys use bearings.





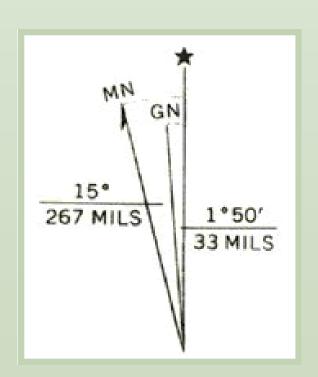


Which north do I use?

<u>True north</u> = The geographic north pole.

Magnetic north = earth's magnetic north pole (moving), relative to earth's axis. In New Hampshire, magnetic north is roughly 15 degrees west of true north.

Grid north = Parallel to a meridian on a map grid.



Use magnetic north, unless otherwise indicated on the survey. This means you don't have to 'decline' your compass.



Knowing your pace

The easiest way to roughly measure long distances is to count paces. One pace is defined as two steps. To measure your pace, mark a distance of 100 feet on the ground. Walk this distance in your normal gait, starting with your *right* foot and keeping count of the number of times your *left* foot touches the ground. Count the number of paces it takes to travel 100 feet and divide 100 by this number to determine the length of your pace in feet. When pacing long distances, you can simply measure in increments of 100 feet by using your standard pace count.

Example: 5' pace = 20 paces per 100 feet



