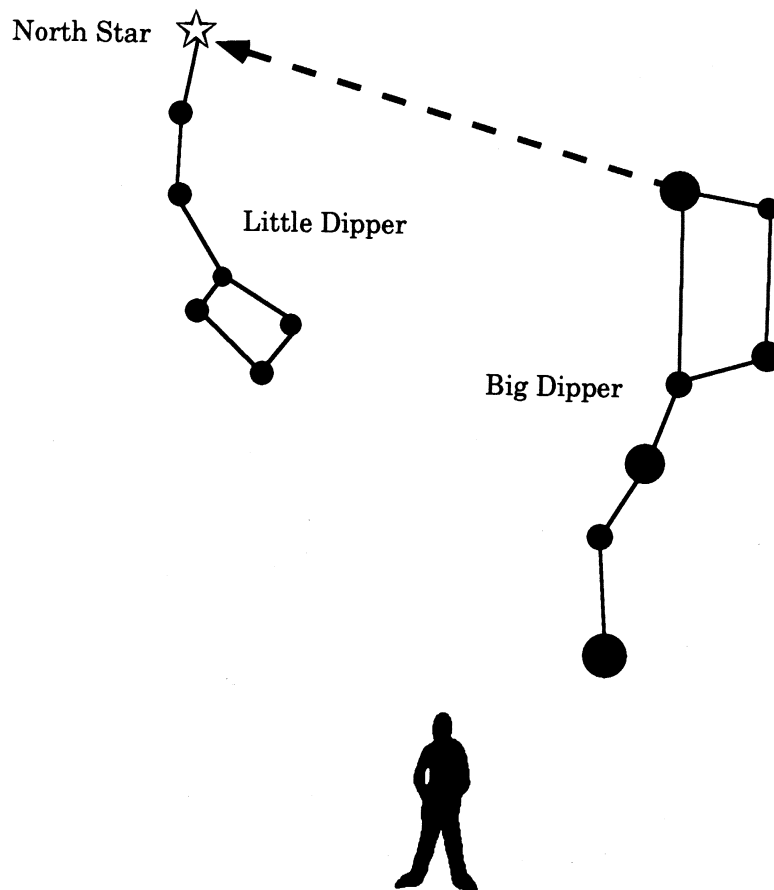


How to determine direction using a watch.

1. Point hour hand at sun, using standard time (not Daylight savings time).
2. Subtract an hour in summer.
3. Halfway between sun and 12 o'clock is south. (Can be used only between hours of 0600 and 1800).



To find the North Star:

1. Locate the Big Dipper (four stars form the bowl, three stars form the handle).
2. Use the two stars on the side of the bowl farthest from the handle as pointers to guide you to the North Star (which is the star at the end of the handle of the Little Dipper).
3. The distance to the North Star is about five times the distance between the two stars on the side of the bowl.
4. North lies at the horizon directly under the North Star.
5. As you stand facing the North Star, scratch a line in the ground toward it and you will have a true north-south line.