

# Tell Time by the Stars



## How to tell time at night with a time dial:

- ➊ Go outside on a dark, clear night with an adult. Take your time dial and a flashlight.
- ➋ Find the Big Dipper. Use it to find Polaris, the North Star. Face the North Star. Now you are facing north.
- ➌ Hold the time dial in front of you with the current month at the top.
- ➍ Turn the star circle until the Big Dipper and Little Dipper match the sky. Read the time in the notch.
- ➎ On the chart, write down the time on the time dial and the “real” time shown on a clock. If you observe daylight saving time, add 1 hour to the time dial, but only if the month is between March and November.
- ➏ Try your time dial at two different times on the same night. Record the times.

Date: \_\_\_\_\_

Time Dial Time	Real Time
1.	1.
2.	2.

How close was the time dial time to clock time?

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Why does the position of the stars change during the night?

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