



Estimations

Cub Scouts · Elective · Arrow of Light rank

Name

Started

Completed

Estimations teaches you to make smart guesses without tools. You'll estimate amounts of food, time, height, and distance, then check how close you got. It's a handy skill for camping and everyday life.

Requirements

Every official requirement, in plain language. Check the official wording when you sign off (scouting.org/cub-scout-adventures/estimations/). Tips and examples are ideas, not extra requirements.

☐ 1 Estimate food measurements

Tip: Guess a cup of rice or a tablespoon of sugar by eye, then measure to check.

Example: Guess a cup of rice, a tablespoon of peanut butter, and a teaspoon of salt by eye. Then measure each one. Try again and see if you get closer. Next, guess how much rice your whole patrol would eat at camp.

☐ 2 Estimate the time of day

Tip: Use the sun's position or shadows to guess the time, then check a clock.

Example: Before sunset, hold your arm out with fingers sideways under the sun. Each finger between the sun and the horizon is roughly 15 minutes of daylight left. Check your guess against the actual sunset time.

☐ 3 Estimate how tall a distant object is

Tip: Try the stick method or compare to a person's height to estimate a tree or flagpole.

Example: Stick method: hold a stick straight up at arm's length so the part above your hand equals the distance from your eye to your hand. Walk back until the stick covers the whole tree. Your distance from the tree is about its height.

☐ **4** Estimate the distance between two points

Tip: Count your steps between two points and use your pace to guess the distance.

Example: If your pace is 2 steps for 5 feet, and you count 80 steps between two trees, that's about 200 feet. Then check with a tape measure or map and see how close you got.