

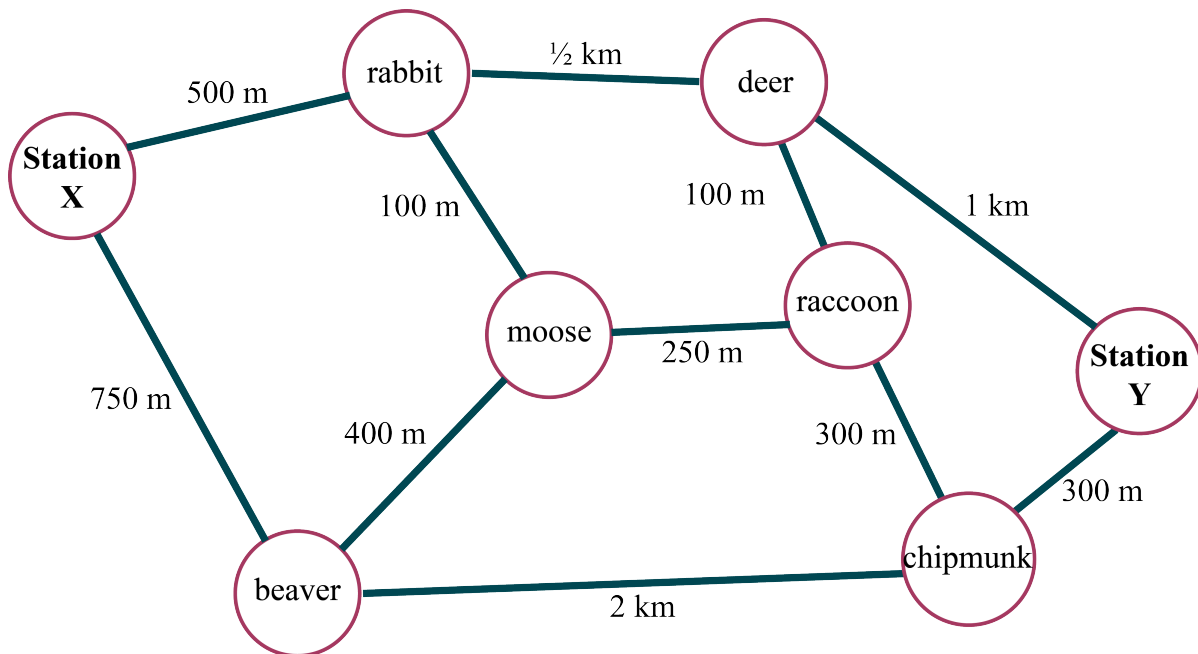


## Problem of the Week

### Problem A

### Park Paths

Arrowhead Provincial Park has various trails that people can follow between Ranger Station X and Ranger Station Y. There are trail markers at each intersection which are named after animals that may be seen in the park. The map below shows the trails and the distances between markers. The map is not to scale.



Three hikers walked from **Station X** to **Station Y** along different paths:

**Path A:** Station X → rabbit → deer → Station Y

**Path B:** Station X → beaver → chipmunk → Station Y

**Path C:** Station X → rabbit → moose → raccoon → deer → Station Y

- Who walked the furthest? Justify your answer.
- Find a path that is shorter than any of the three paths the hikers took.

**CHALLENGE:** What is the shortest path from **Station X** to **Station Y**?

**THEMES:** COMPUTATIONAL THINKING, GEOMETRY & MEASUREMENT