



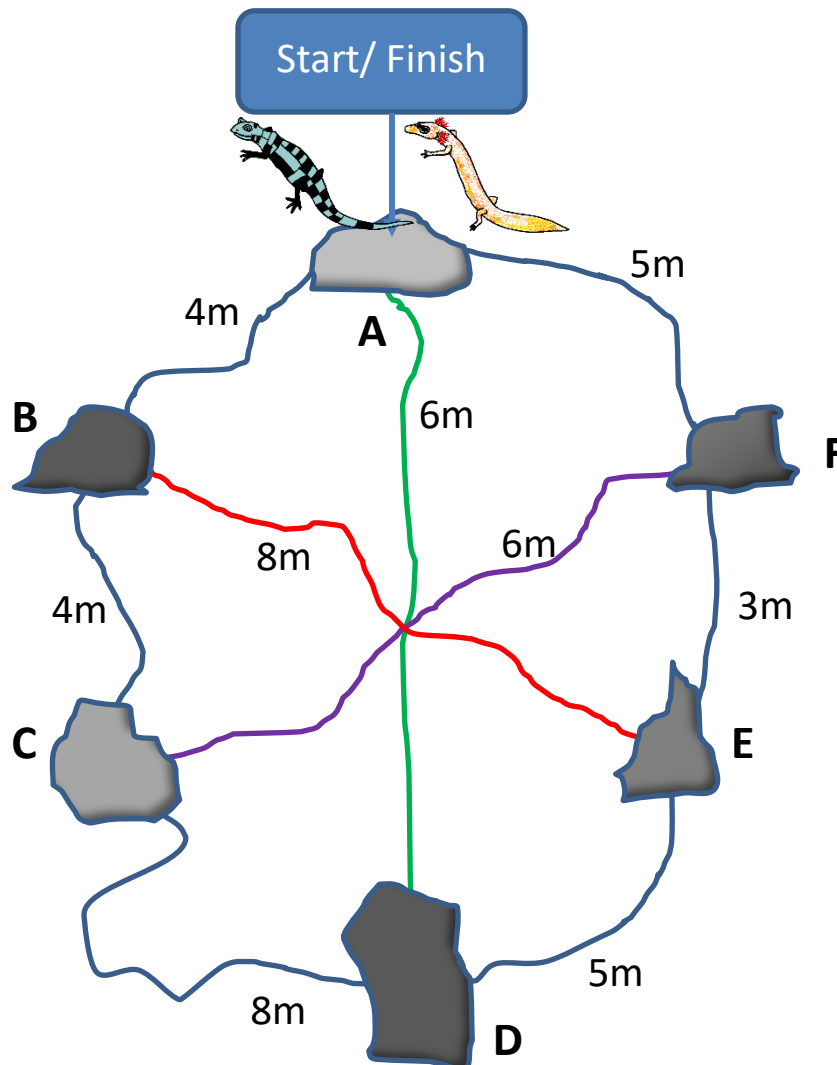
# THE ROCK RACE CHALLENGE 1

Captain and Frazer are having a race to see who can run the quickest around a set of 6 rocks.

Each salamander has to touch each rock but can choose which route to take.

The routes are not all the same length. The salamanders start and finish the race at Rock A.

Which is the shortest route around the rocks and back to the start at Rock A?





## THE ROCK RACE CHALLENGE 1 ANSWERS

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The routes are not all the same length. The salamanders start and finish the race at Rock A.

Which is the shortest route around the rocks and back to the start at Rock A?

The shortest route is:

$A \rightarrow B \rightarrow C \rightarrow F \rightarrow E \rightarrow D \rightarrow A$

OR

$A \rightarrow D \rightarrow E \rightarrow F \rightarrow C \rightarrow B \rightarrow A$

Which is the same route backwards.

It is a distance of 28m.

