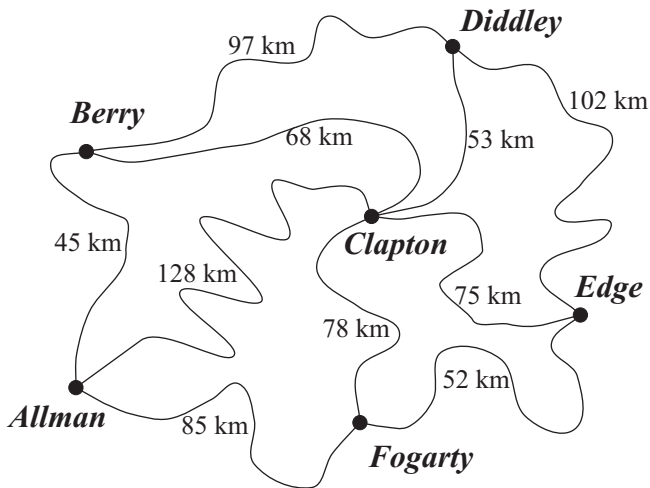


Name: _____

1. Rob is a guitar salesman. The map below shows six towns where there are music shops he has to visit. The distances (in km) between the towns are included. The map is not to scale.



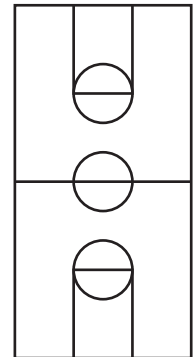
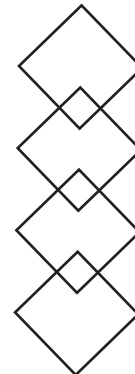
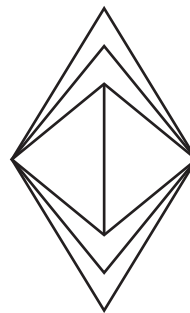
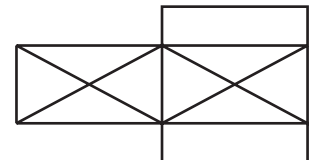
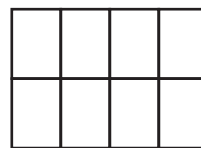
Rob lives in Allman and wants to visit all the towns once before returning home. List all the different routes that Rob could take and the distances between the towns. Find the total distance for each route and highlight the shortest route. (Some routes will be the reverse of others) Use abbreviations for the towns (A for Allman, B for Berry, etc).

Example:

A $\xrightarrow{45 \text{ km}}$ B $\xrightarrow{68 \text{ km}}$ C $\xrightarrow{53 \text{ km}}$ D $\xrightarrow{102 \text{ km}}$ E $\xrightarrow{52 \text{ km}}$ F $\xrightarrow{85 \text{ km}}$ A
 Total distance = 405 km

1. continued

2. Colour in the following shapes that can be drawn without lifting your pen and without drawing any line more than once.



3. Draw a path showing how someone could walk through this maze walking every track only once.

