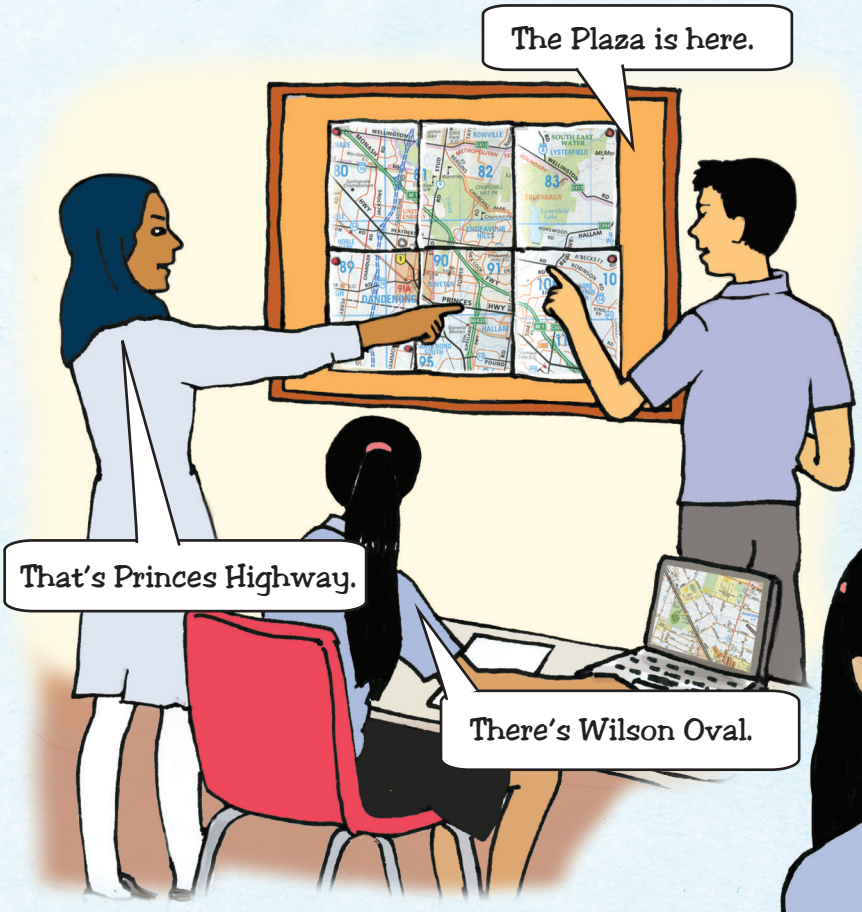
Navigation

Use Mathomat to measure and calculate distance on maps.

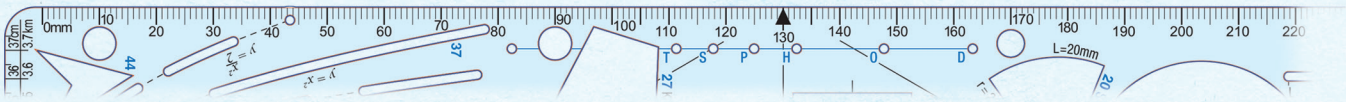


The class of Rycroft High are building a map of the area around their school using print-outs of a street directory.

It's the turn of Sienna, Ben and Alessia to mark the location of their homes on the map with pins.

Sienna, Ben and Alessia are marking in the route they take from home to school with highlighters on the map. They live in homes that are grouped close together.

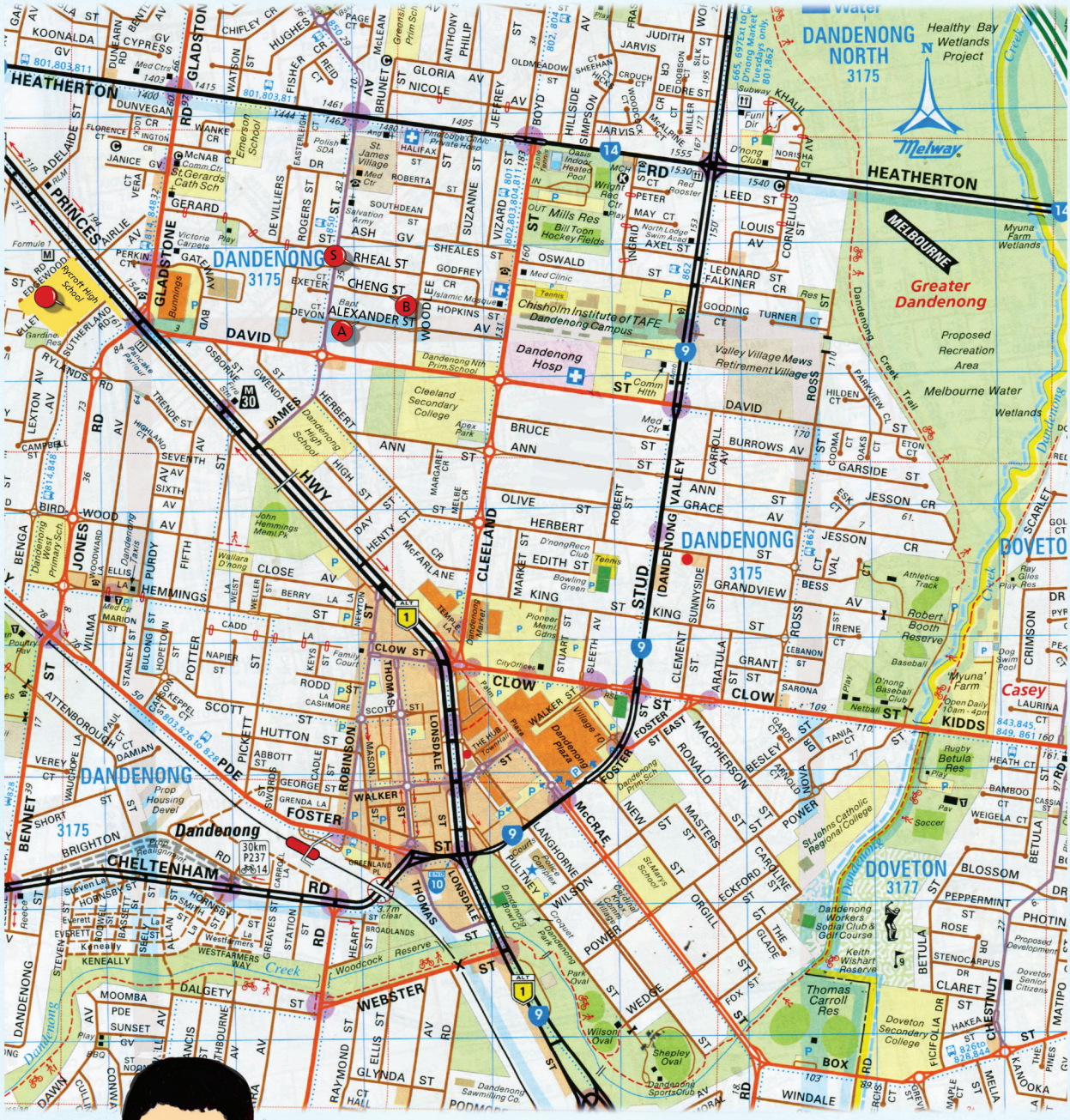
Their location and the school's location are shown with pins on the map on the opposite page.



Name	Straight line distance to school	Length of route to school
	cm	cm
Sienna		
Ben		
Alessia		

Using the millimetre scale on your Mathomat measure the straight line distance (as the crow flies) and the length of the route taken to school for the three pupils using the roads.

Enter your results in the columns in this table in centimetres.



The scale on this map is 1:20,000 and the page is 20cm wide. So the page width represents a distance of 4000 metres or 4 kilometres.

The length of each of the map pages being used at Rycroft High is 25cm.
What distance does that represent?

…….metres

There are blue grid squares on the maps.
See if you can work out the distance represented by one side a grid square.

…….metres

Please note: Rycroft High and the names of the streets that students live in are fictitious

Find more navigation activities (8.2 and 8.3) to print out in **MAC.**