The Boysenberry Patch

*Working in small groups (3 or 4 people), solve as many of the problems below as possible. Try to resolve questions within the group before asking for help. Each group member should then write up solutions in their own words, then please turn in this sheet. Show your work! Explain why your answers work.*

1 You plan to go on a hike and pick Boysenberries along the way. Pick one of the given contour maps for this activity. The contour map shows the density (in \( \frac{L}{100 \text{ m}} \)) of Boysenberries along the trail. The path is divided into four segments, and you plan to pick berries along each. Rank the four segments according to the total amount of berries you’d pick.

   Amount of Picked Berries: Least _____  _____  _____  _____ Most

Why did you rank it this way?

2 Path A is 1km long. Estimate the total amount of berries on path A and path C.
   (a) Path A:

   (b) Path C:

3 How many 3 liter buckets are necessary to pick berries along Path C? Explain how you arrived at your answer.