Activity B: Go figure!

With this activity, students can demonstrate their skills in the following areas:

- solve problems involving the areas and perimeters of composite two-dimensional shapes; and
- explain their understanding of the connection between the mathematical concepts studied in class and the development of essential numeracy skills and their application in daily life.

Instructions:

Read the following problem situation:

You have applied for a summer job at the “Sod All” landscaping company as a sod layer and general labourer. During your interview, in order to verify your numeracy skills, they ask you to solve the following problem, providing support for your answer by including appropriate illustrations, formulae and calculations.

As part of its management plan, the town plans to fence the municipal park and lay new sod. The park is in the shape of an isosceles trapezoid with sides of the following lengths: 200 m, 500 m, 500 m and 800 m. Calculate how much sod is needed to cover the area and how much fencing will be needed for the perimeter.