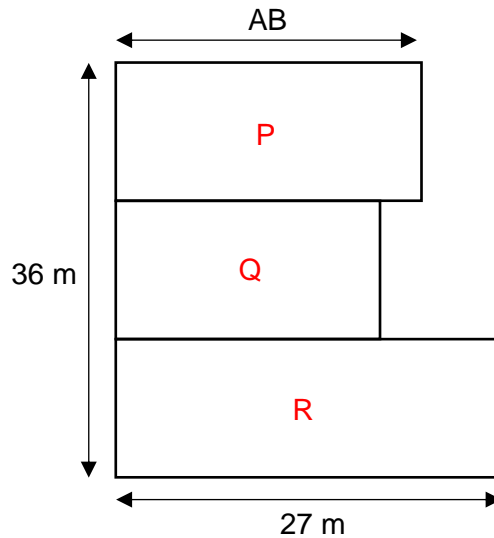


A Maths Question, PSLE 2022

A plot of land which had an area of 876 m^2 was divided into three portions of equal width. These portions were fenced using 177 m of fence as shown below.

- a) Find the length of AB.
b) Find the perimeter of the plot of land.

Paper 2, Q16



<< Area and Perimeter >>

<Writing>

- a) $(36 + 27) \times 2 = 126 \text{ (m)}$
 $177 - 126 = 51 \text{ (m)}$ $\rightarrow 2 \times \text{AB}$
 $51 \div 2 = 25.5 \text{ (m)}$ $\rightarrow \text{AB}$
- b) $36 \div 3 = 12 \text{ (m)}$ \rightarrow portion P
 $25.5 \times 12 = 306 \text{ (m}^2\text{)}$ \rightarrow portion R
 $27 \times 12 = 324 \text{ (m}^2\text{)}$ \rightarrow portion R
 $876 - (306 + 324) = 246 \text{ (m}^2\text{)}$ \rightarrow portion Q
 $246 \div 12 = 20.5 \text{ (m)}$ \rightarrow length of portion Q
 $177 - 20.5 \times 2 = 136 \text{ (m)}$

Answer a) 25.5 m b) 136 m