

A Maths Question, PSLE 2023

Gopal has 3 identical tins of paint which are all full. He removed 760 ml of paint from each tin. The sum of the remaining amount of paint in each tin is equal to the amount of paint in 1 tin. How much paint is there in 1 tin?

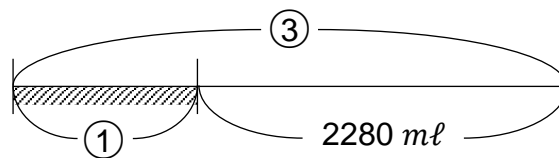
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<G.R.>

Let ① be the full amount of paint in each tin.

$$\begin{array}{r} \textcircled{1} \qquad \qquad \textcircled{1} \qquad \qquad \textcircled{1} \\ \hline - 760 \text{ ml} \quad - 760 \text{ ml} \quad - 760 \text{ ml} \\ \hline \underbrace{\hspace{15em}} \\ \textcircled{1} \end{array}$$

<Diagram>



<Writing>

$$760 \times 3 = 2\,280 \text{ (ml)}$$

$$\textcircled{3} - \textcircled{1} = \textcircled{2} \qquad \rightarrow 2\,280 \text{ (ml)}$$

$$2\,280 \div \textcircled{2} = 1\,140 \text{ (ml)} \quad \rightarrow \textcircled{1}$$

Answer 1 140 ml