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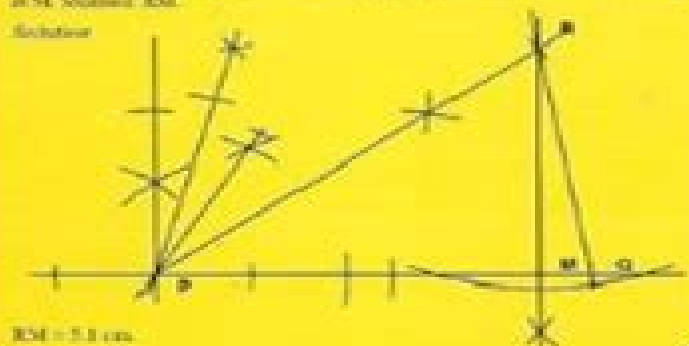
Students' Book One

Third Edition

## Question

Without using a protractor, construct a triangle  $PQR$ , such that  $PQ = 7.5$  cm,  $PR = 6.3$  cm and angle  $RPQ = 57.5^\circ$ . Drop a perpendicular from  $R$  to cut  $PQ$  at  $M$ . Measure  $RM$ .

## Solution



$RM = 5.1$  cm.

Secondary

# MATHEMATICS

Students' Book Two

Third Edition

## Question

A commemorative stone is sculptured in a shape of a frustum with the diameters of the top and bottom faces being 24 cm and 48 cm respectively. If the vertical distance between the faces is 45 cm, find the volume of the stone.

## Solution

The two cones in the figure are similar.  
Let the height of the smaller cone be  $h$  cm.

$$\begin{aligned}\frac{14}{24.5} &= \frac{h}{h+45} \\ 24.5h &= 14(h+45) \\ 24.5h - 14h &= 630 \\ h &= \frac{630}{10.5} \\ &= 60 \text{ cm}\end{aligned}$$



$$\begin{aligned}\text{Volume of the stone} &= \text{volume of larger cone} - \text{volume of smaller cone} \\ &= \frac{1}{3} \times \frac{\pi}{4} \times 24.5^2 \times 105 - \frac{1}{3} \times \frac{\pi}{4} \times 12^2 \times 60\end{aligned}$$

# Secondary MATHEMATICS

Students' Book Three

Third Edition

Consider Mr Mhaya, who secured a loan of Ksh 1 200 000 from Macdonald Building Society for the purchase of a residential house. The amount was repayable in four years at a compound interest rate of 14% per annum.

This means he had to pay a monthly instalment of Ksh 30 000.



Secondary

# MATHEMATICS

Students' Book Four

Third Edition



# Klb Maths Form 1

**G Psacharopoulos**



## **Klb Maths Form 1:**

## **Klb Maths Form 1** Book Review: Unveiling the Power of Words

In a global driven by information and connectivity, the energy of words has be much more evident than ever. They have the capability to inspire, provoke, and ignite change. Such may be the essence of the book **Klb Maths Form 1**, a literary masterpiece that delves deep in to the significance of words and their effect on our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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