

Read the questions and find the answer

Important note:

$$1 \text{ cm} = 10 \text{ mm}$$



Insects			
Length	12.7 cm	22 mm	x

If the total length of the three insects is 200 mm, what is the beetle's length in mm?

$$\begin{array}{c}
 \text{Ladybug} \\
 12.7 \text{ cm}
 \end{array}
 +
 \begin{array}{c}
 \text{Grasshopper} \\
 22 \text{ mm}
 \end{array}
 +
 \begin{array}{c}
 \text{Beetle} \\
 x
 \end{array}
 = 200 \text{ mm}$$

12.7 × 10 = 127 mm

$$127 \text{ mm} + 22 \text{ mm} + x = 200 \text{ mm}$$

$$\begin{array}{r}
 \overset{9}{\cancel{1}} \overset{10}{2} \overset{10}{00} \text{ mm} \\
 - 127 \text{ mm} \\
 \hline
 73 \text{ mm} \\
 - 22 \text{ mm} \\
 \hline
 51 \text{ mm}
 \end{array}$$

$$x = 200 \text{ mm} - 127 \text{ mm} - 22 \text{ mm}$$

$$x = 51 \text{ mm}$$

Now, you try:

Important note:

$$1 \text{ cm} = 10 \text{ mm}$$



Student			
	Hana	Firnas	Noah
Length	45 cm	510 mm	x

If the total height of the three students is 1500 mm, what is Noah's height in mm?

$$x = \underline{\hspace{2cm}} \text{ mm}$$