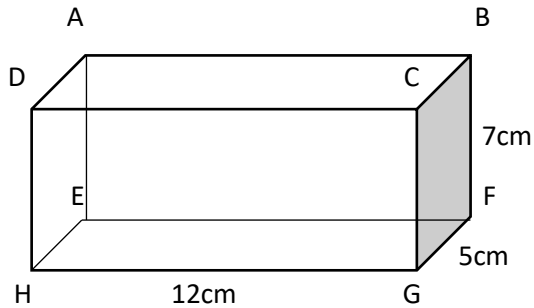
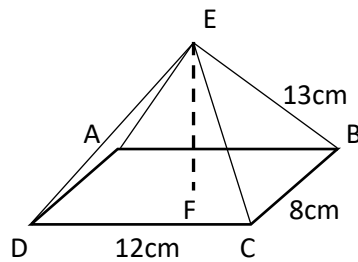


1. ABCDEFGH is a cuboid where $GH = 12\text{cm}$, $FG = 5\text{cm}$ and $BF = 7\text{cm}$.

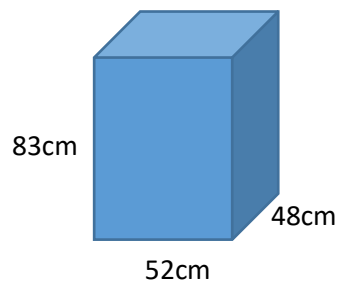


- Calculate the length of face diagonal FH.
 - Calculate the length of space diagonal BH.
2. ABCDE is a right pyramid on a rectangular base.
 $EA = EB = EC = ED = 13\text{cm}$.
 $CD = 12\text{cm}$ and $BC = 8\text{cm}$. EF is the height of the pyramid.

Calculate the height EF.



3. A locker in the shape of a cuboid is shown below.



Tom is thinking of hiring a locker for his snooker cue.

If the length of the cue is 1.2 metres, will it fit into this locker?