

Light

1. The length of a pinhole camera is 20cm. Determine the height of a storey building 300m away from the pin hole if the image formed on the screen of the pin hole camera is 2.5cm high

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1. $\frac{20}{30000} = \frac{2.5}{h_o} \checkmark$
 $h_o = \frac{30000 \times 2.5}{20}$
 $= 3750cm$
 $= 3.75m \checkmark$

