Ques) The statio of the asseas of two totiangles with the equal base is 6:5. If the height of biggest totiangle is 9cm. Then find the coscies ponding height of the Smallest totiangle.

Solution: Let b' be the base of topiangle.

h' be the height of bigger \triangle and h^2 be the height of Smaller \triangle

. As we know, Asiea of $\Delta = \frac{1}{2} \times base, \times height$

$$\frac{9}{h^2} = \frac{6}{5}$$

$$h^2 = 9 \times \frac{5}{6} = \frac{15}{2} = 7.5 \text{ cm}$$

.: Height of smaller D = 7.5 cm

