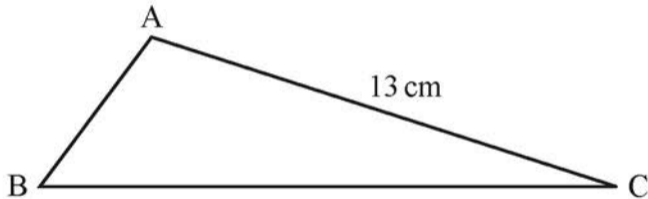


- 5 The diagram shows the triangle ABC in which  $AC = 13\text{ cm}$  and AB is the shortest side. The perimeter of the triangle is  $32\text{ cm}$ . The area is  $24\text{ cm}^2$  and  $\sin B = \frac{4}{5}$ .



Determine the lengths of AB and BC.

[5]