

N 48 p. 223

$$AB = 2AH$$

$$AH = AC \cdot \cos \alpha$$

$$AH = 15 \cdot \frac{1}{3}$$

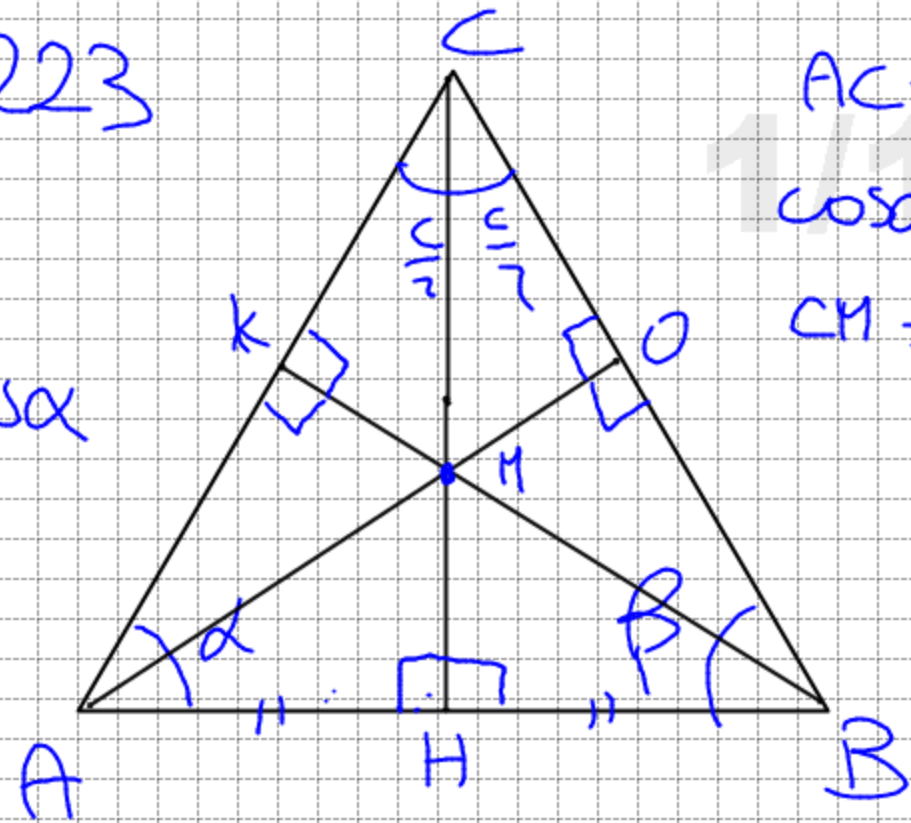
$$AH = 5$$

$$AB = 10$$

$$AC = CB = 15$$

$$\cos \alpha = \cos \beta = \frac{1}{3}$$

$$CH = ?$$



$$AH = AC \cdot \sin \frac{C}{2}$$
$$\sin \frac{C}{2} = \frac{5}{15}$$