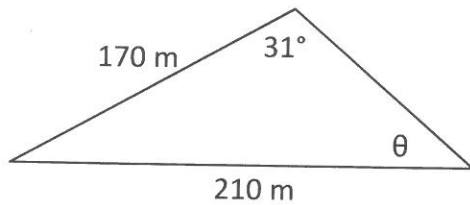


Example 6

Determine the size of the angle labelled θ .



Again, a set of partners is given (210 m and 31°); which makes this a sine law question.

$$\frac{210}{\sin 31^\circ} = \frac{170}{\sin \theta}$$

$$\sin \theta = 170 \times \sin 31^\circ \div 210$$

$$\sin \theta = 0.416935584 \dots$$

(Now '2nd sin' and possibly '=')

$$\theta = 24.64^\circ$$