

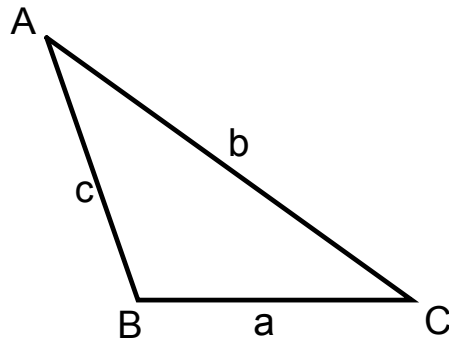
The Sine Law

In any $\triangle ABC$, Sine Law tells us that:

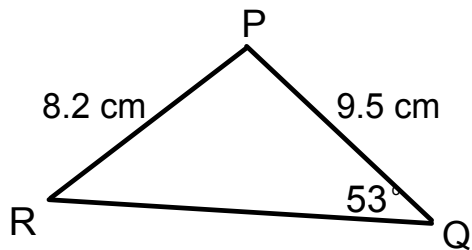
$$\frac{\sin A}{a} = \frac{\sin B}{b} = \frac{\sin C}{c}$$

This can also be written:

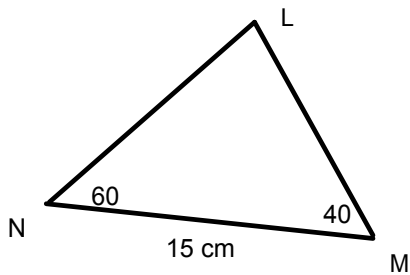
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$



Example 1 Find the measure of angle R.



Example 2 Determine the length of side n.



Example 3 Two ships can be seen from a lighthouse. The distance between the ships is 23 km. How far is each ship from the lighthouse?