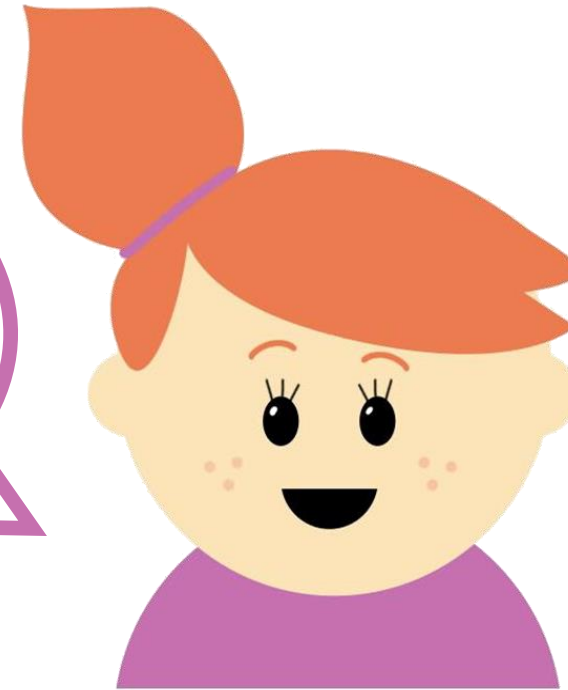


Progression in Mastery

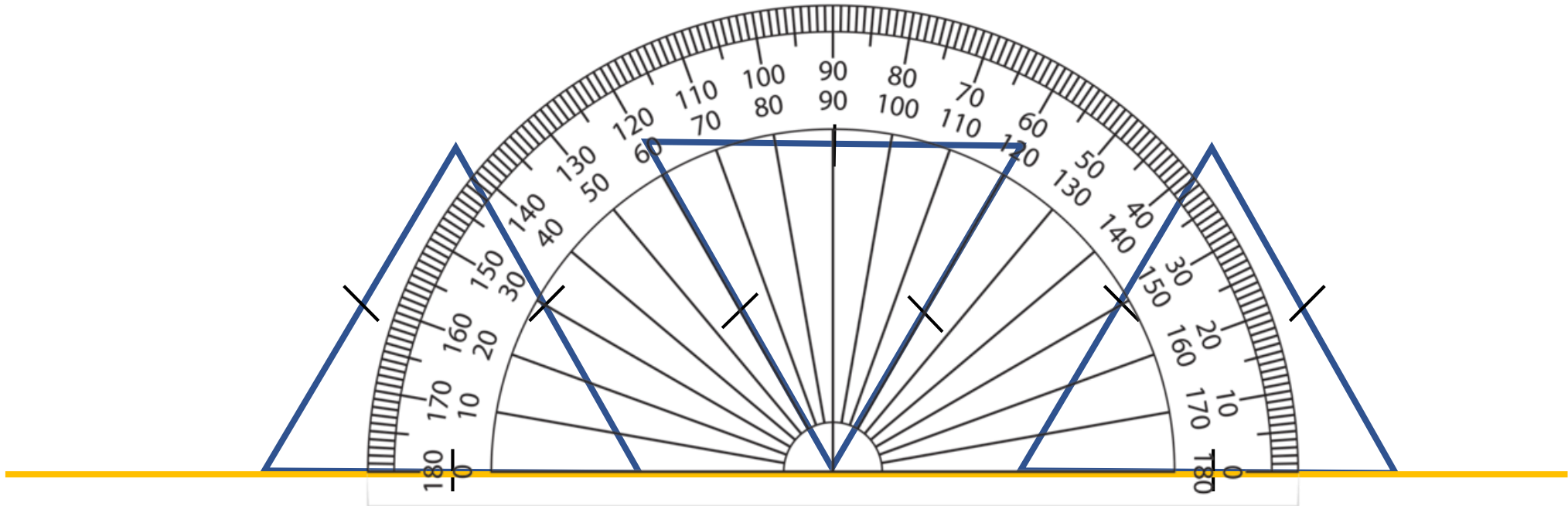
Year 6 Angles in a Triangle

Get ready to investigate angles in a triangle.



Let's learn

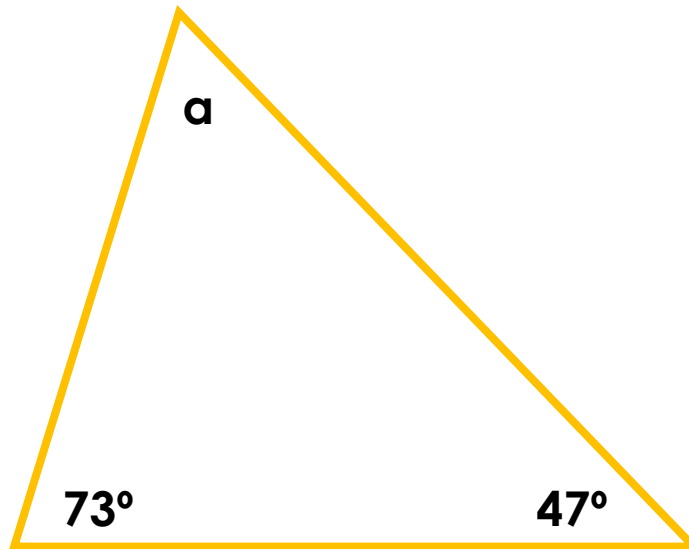
Look at these three equilateral triangles



What do you notice about the angles on the straight line?

Let's learn

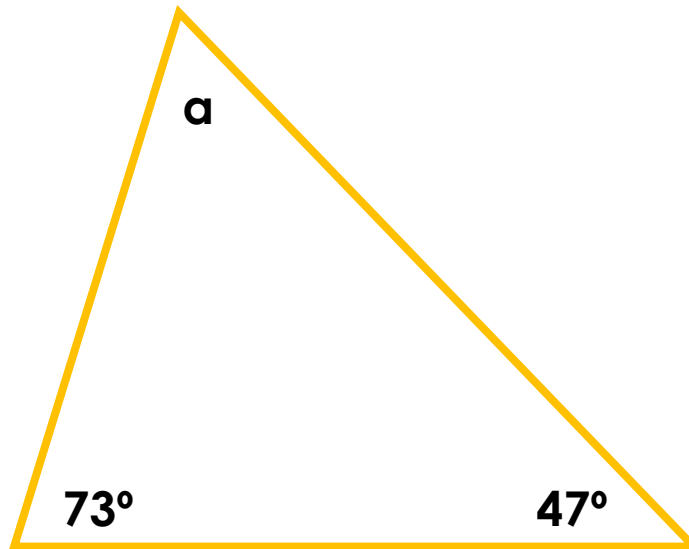
Angles in a triangle total 180° .



We subtract known angles from 180° to find the missing angle size.

Let's learn

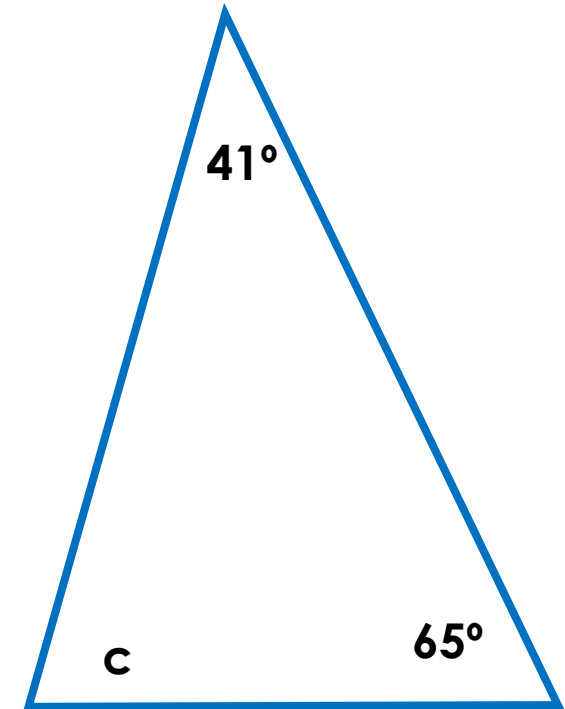
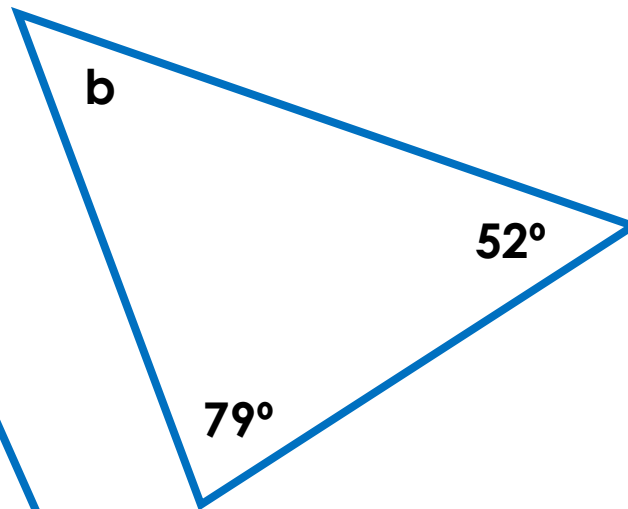
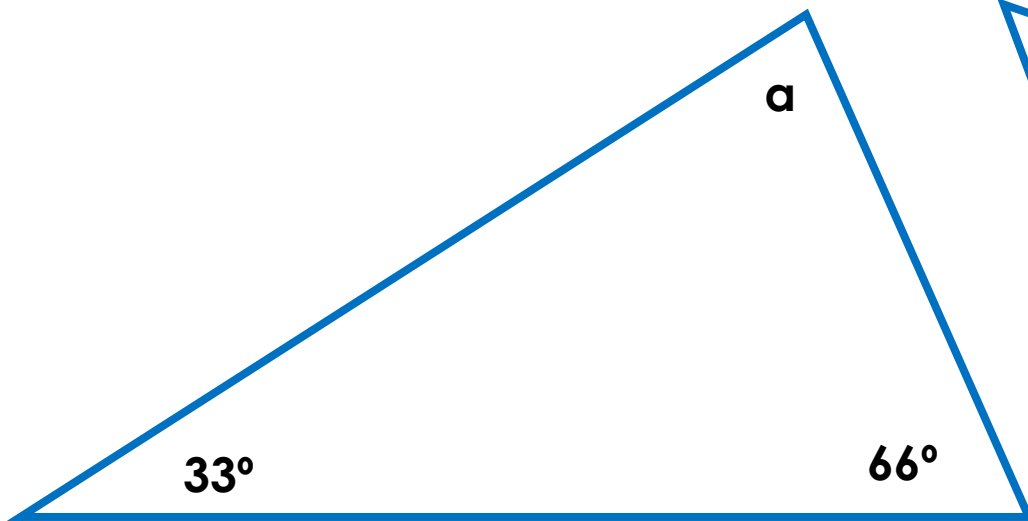
We can do $180^\circ - (73^\circ + 47^\circ)$ or $180^\circ - 73^\circ$ then $107^\circ - 47^\circ$.



The size of missing angle a is 60° .

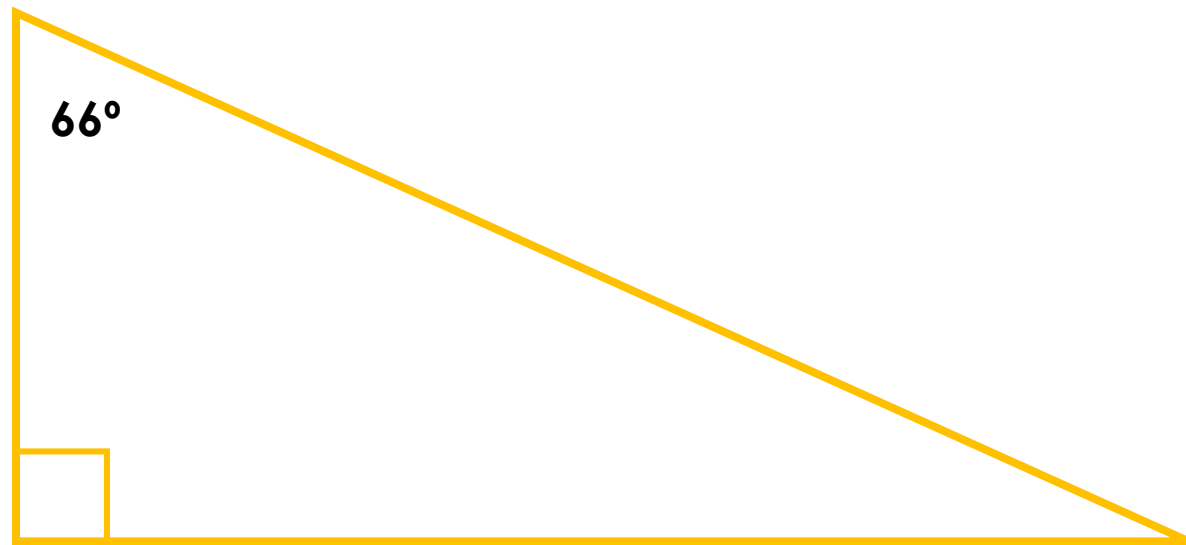
Let's talk

Using your understanding, work out the missing angles (a, b and c) in these triangles.



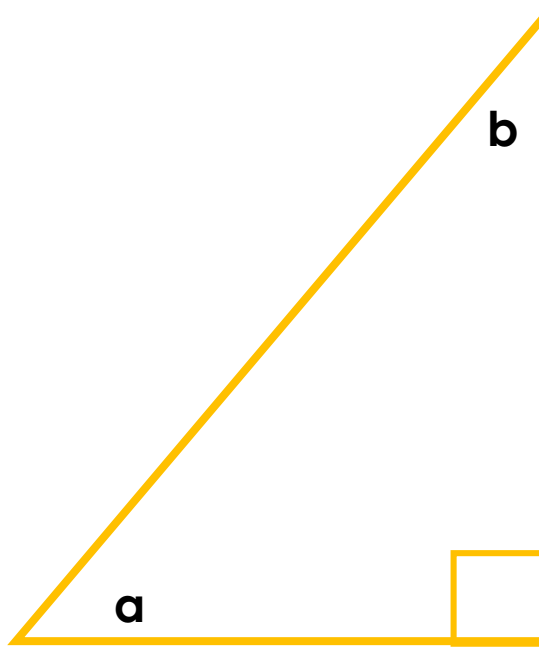
Let's develop our learning

How will we calculate the missing angle in this triangle?



Let's develop our learning

Millie does not think that she has enough information to work out the missing angles.



Do you agree?

