10.06.20

WALT calculate the exterior angles of a triangle

# **Notes and Guidance**

Children build on prior learning to make links and recognise key features of specific types of triangle. They think about using this information to solve missing angle problems.

They should also use their knowledge of angles on a straight line, angles around a point and vertically opposite angles.

### Reflex angle

A reflex angle is an angle that is bigger than 180°

## Obtuse angle

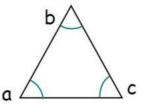
An obtuse angle is an angle between 90° and 180°

## Right angle

A right angle is an angle that measures 90°

#### <u>Triangles</u>

The angles of <u>any</u> triangle will always add up to 180°



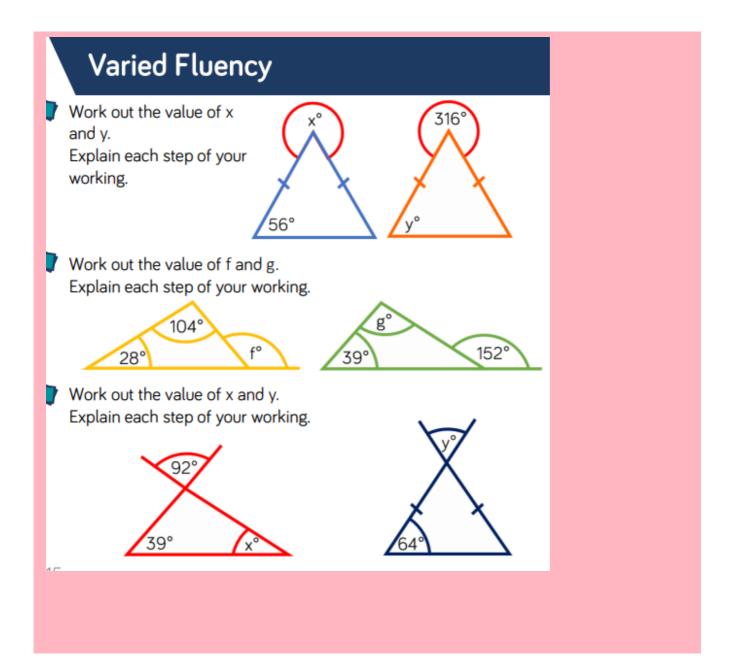
a+b+c= 180°

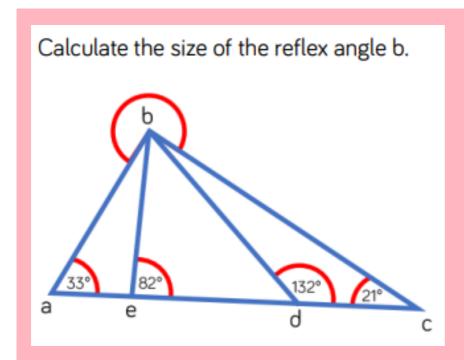
# **Mathematical Talk**

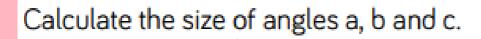
Is it sensible to estimate the angles before calculating them? Are the triangles drawn accurately?

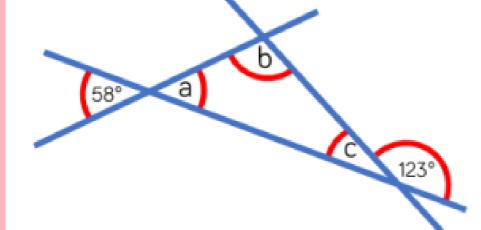
Can you identify the type of triangle? How will this help you calculate the missing angle?

Which angle can you work out first? Why? What else can you work out?









Give reasons for all of your answers.