05.06.20

WALT opposite angles on a point are equal

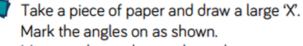
Mathematical Talk

What sentences can we write about vertically opposite angles in relation to other angles?

How can we find the missing angle?

Is there more than one way to find this angle?

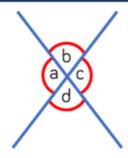
Varied Fluency



Measure the angles you have drawn.

What do you notice about angles b and d? What do you notice about angles a and c? Is this always the case?

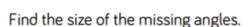
Investigate with other examples.

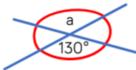


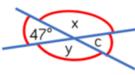
Use the letters from the diagram to fill in the boxes.

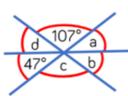
$$\square = \square$$

$$+$$
 = 180°



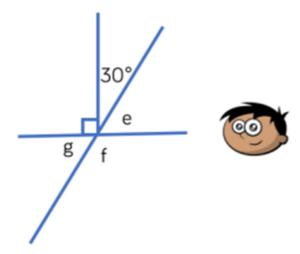






Is there more than one way to find them?

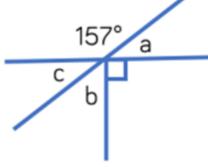
The diagram below is drawn using three straight lines.



Amir says that angle g is equal to 30° because vertically opposite angles are equal.

Do you agree? Explain your answer.

Find the size of all missing angles. Is there more than one way to find the size of each angle? The diagram below is drawn using three straight lines.



Whitney says that it's not possible to calculate all of the missing angles.

Do you agree? Explain why.