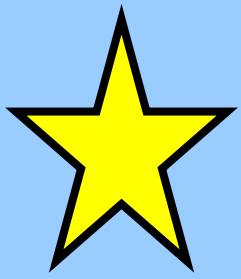


Maths





WALT

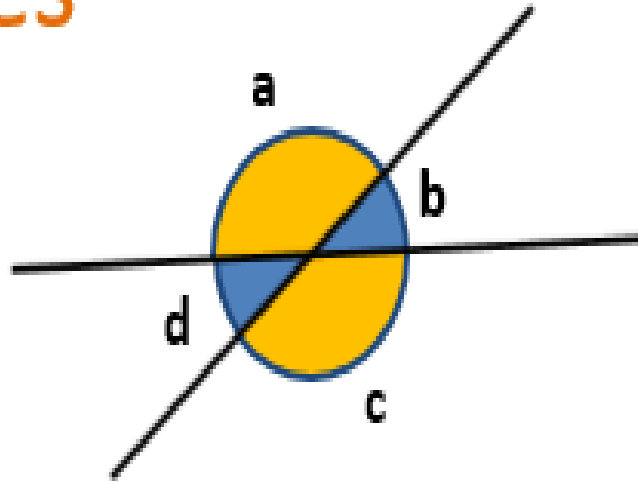


WALT calculate opposite angles
I can:

- Identify straight line angles.
- understand that when a line cuts a straight it has the same vertex.
- add and subtract to find missing angles.



Opposite angles Are equal



$$a = c$$

$$d = b$$

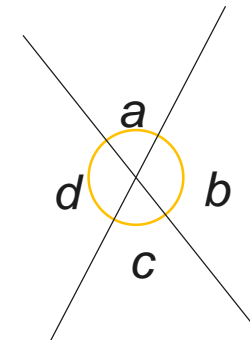
They are equal because when a horizontal line is cut by a vertical line – where the lines meet that have the same vertex.





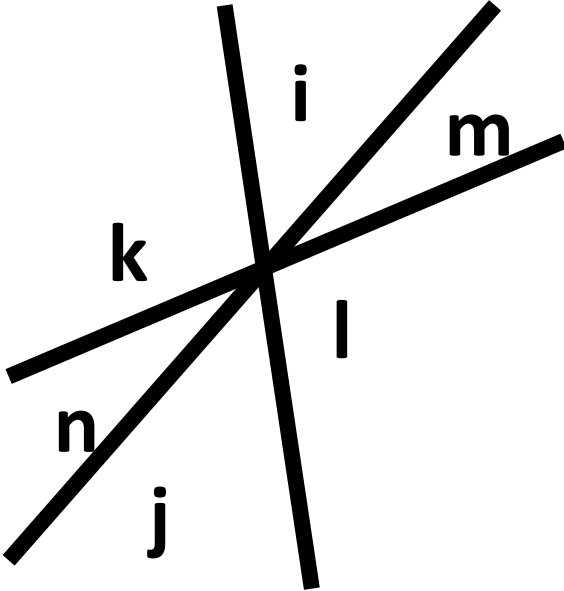
True or false? Prove it!

- Angles d and c are equal.
False, they are not vertically opposite.
- $a + b = 180^\circ$
True
- Angles a and c are equal.
True
- $d + b = 180^\circ$
False, they are vertically opposite so they are equal.
- Angles b and d are equal.
True
- $a + b + c + d = 180^\circ$
False, all angles added together = 360° .

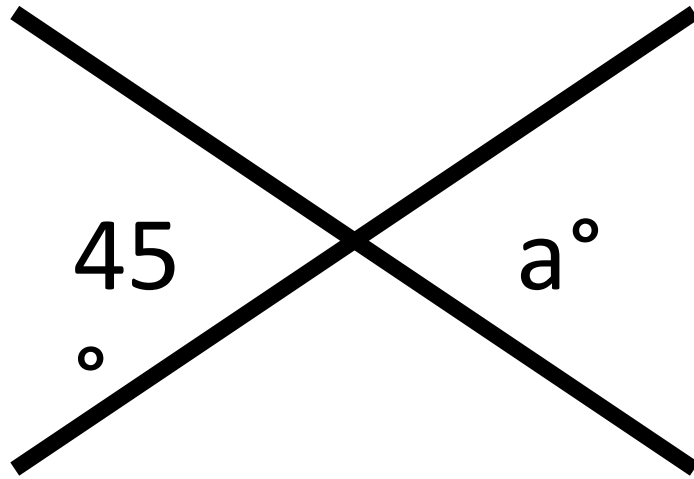


Not drawn to scale

Which angles are equal in this picture?



Find a



Find b and c

