Finding Missing Angles

Angles on a straight line always add up to 180°



180° - 117° = 63°

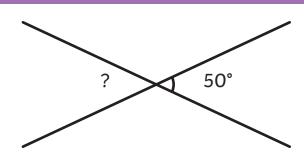
The missing angle is 63°.



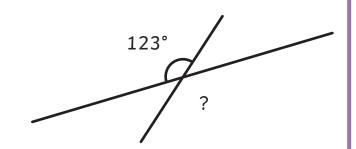
180° - 142° = 38°

The missing angle is 38°.

Missing Vertically Opposite Angles Opposite angles are equal.

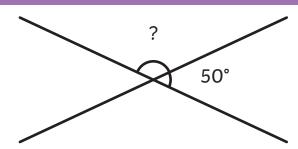


The missing angle is 50°.



The missing angle is 123°.

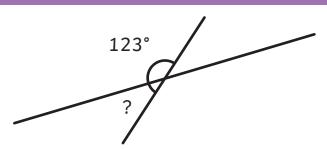
Angles around a point total 360°



The two known opposite angles total 100°.

$$260^{\circ} \div 2 = 130^{\circ}$$

The missing angle is 130°.



The two known opposite angles total 246°.

$$114^{\circ} \div 2 = 57^{\circ}$$

The missing angle is 57°.

