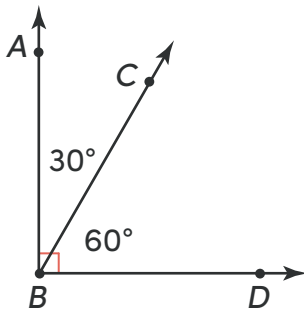# ANGLE RELATIONSHIPS

COMPLEMENTARY ANGLES

Complementary angles have a sum of 90°.

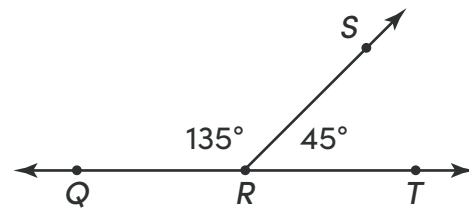Here, ∠ABC and ∠CBD are complementary angles.

SUPPLEMENTARY ANGLES

Supplementary angles have a sum of 180°.

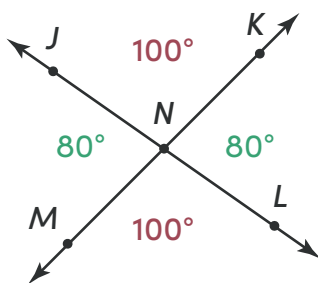Here, ∠QRS and ∠SRT are supplementary angles.

VERTICAL ANGLES

Vertical angles are opposite angles that form when two lines intersect. Vertical angles are congruent.

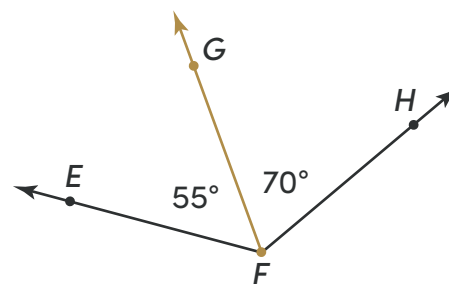Here, there are two sets of vertical angles:

∠JNK and ∠MNL
and ∠JNM and ∠KNL.

ADJACENT ANGLES

Adjacent angles share a **common vertex** and **side**.

Here, ∠EFG and ∠GFH are adjacent angles.

$m\angle EFH = 125°$