

Angle Pairs

7th Grade

Five relationships that let you find a missing angle without measuring.

Angles in these arrangements are either equal or add to a fixed total. Learn which is which.

complementary 90° · supplementary 180°

Complementary

add to 90°

Two angles making a right angle.

Supplementary

add to 180°

Two angles on a straight line.

Vertical

equal

Opposite angles where two lines cross.

Alternate interior

equal

The Z shape between parallel lines.

Corresponding angles (the F shape) are equal too. Same-side interior angles add to 180° .