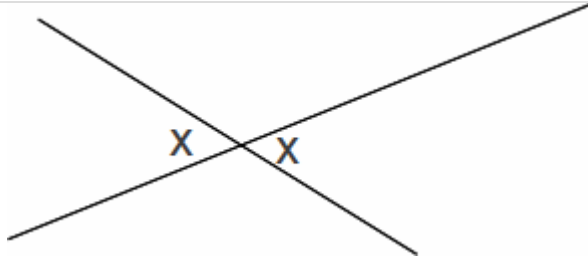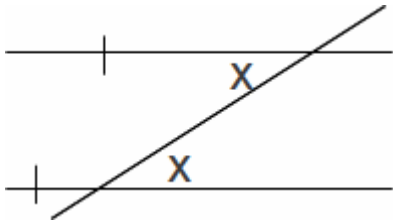# Angles and Straight Lines
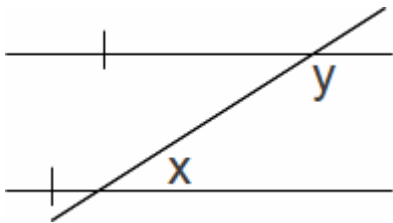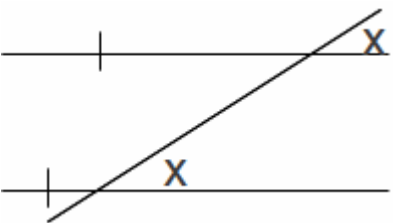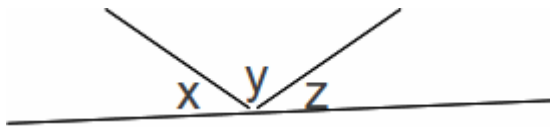
Opposite angles are equal

Alternate angles when a line is drawn to intersect parallel lines are equal. To recognise when this rule can be used look for 'Z' shapes.

Supplementary or complementary angles when a line is drawn to intersect parallel lines add to 180 Degrees, so $x+y=180.$ Again look for 'Z' shapes. The supplementary angles are on the same side of the 'Z'.

Corresponding angles can be 'slid' along a line between parallel lines. Corresponding angles are equal.

Angles on a straight line add up to 180 Degrees.

$$x+y+z=180$$