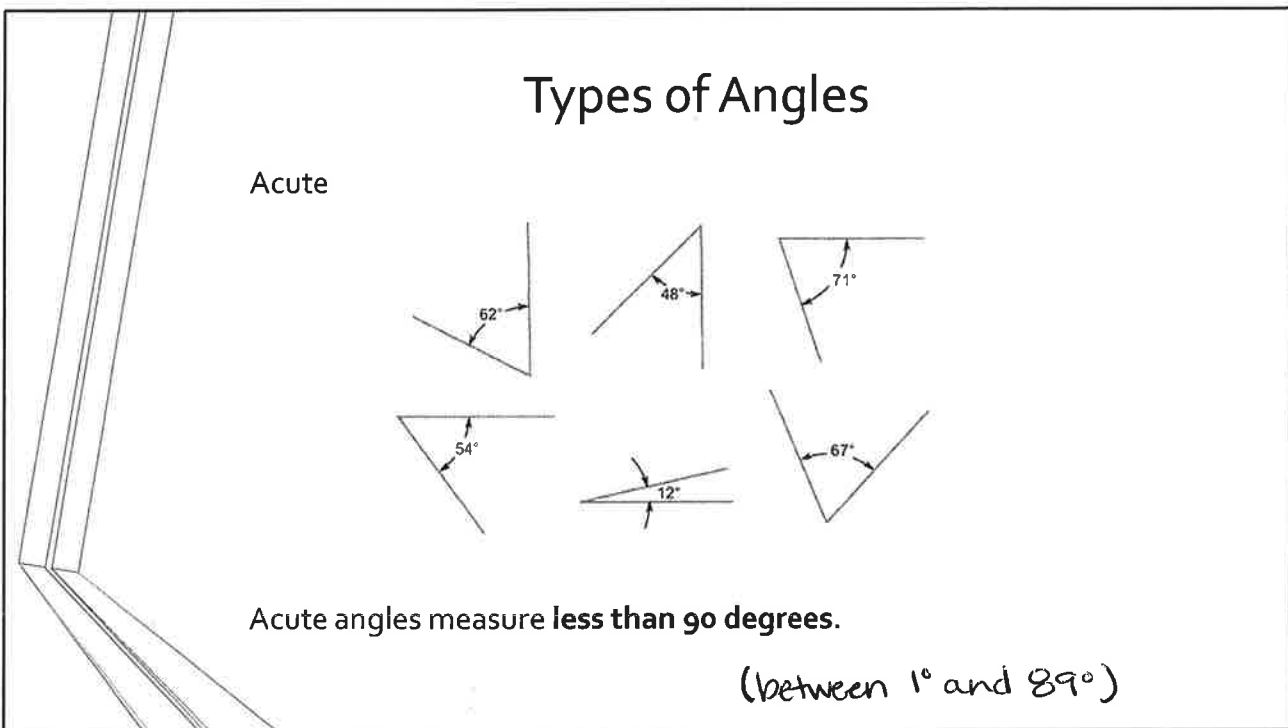


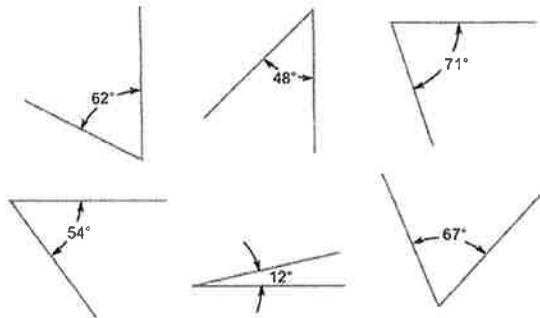
Estimating Angles

Who has the best guess?



Types of Angles

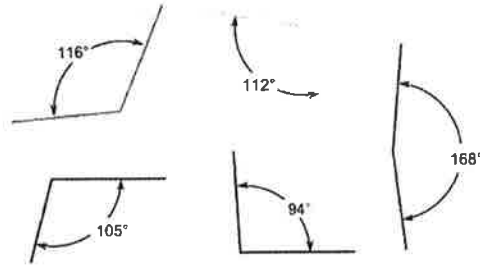
Acute



Acute angles measure **less than 90 degrees**.
(between 1° and 89°)

Types of Angles

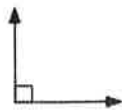
Obtuse



Obtuse angles are **greater than 90 degrees**, but **less than 180 degrees**.
(between 91° and 179°)

Types of Angles

Right



Right angles measure **exactly 90 degrees**.

Types of Angles

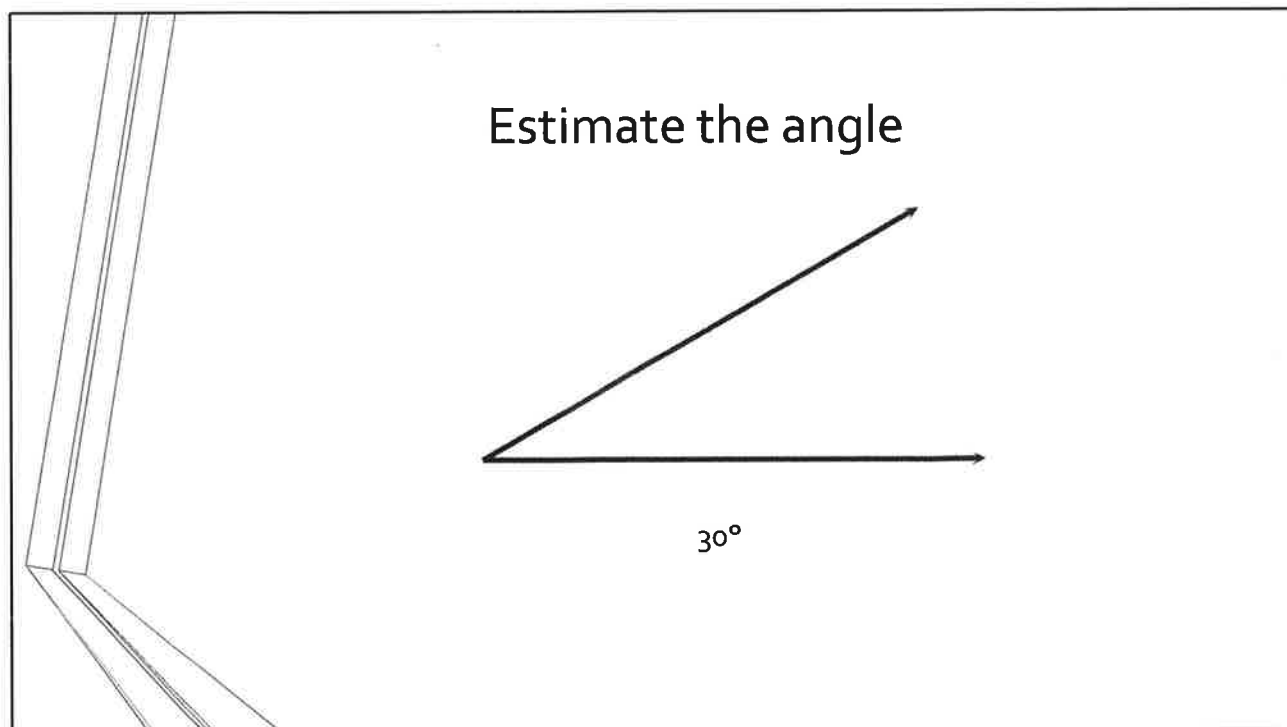
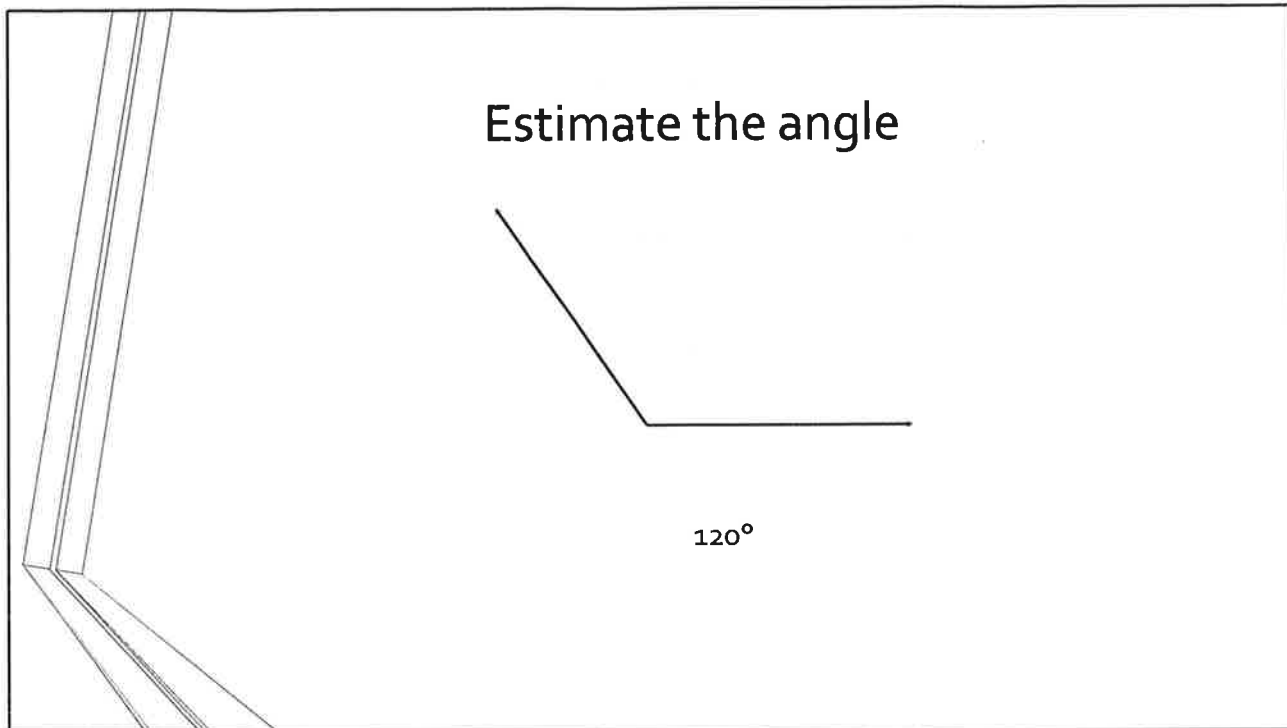
Straight



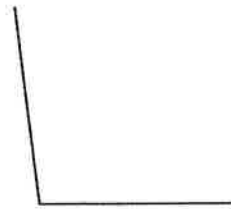
Straight angles measure exactly **180 degrees** and form a **straight line**.

Which type of angle is it?

- 25° - acute
- 95° - obtuse
- 180° - straight
- 60° - acute
- 120° - obtuse
- 89° - acute
- 176° - obtuse
- 90° - right

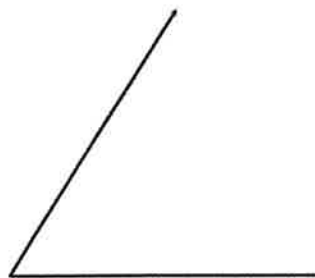


Estimate the angle



97°

Estimate the angle

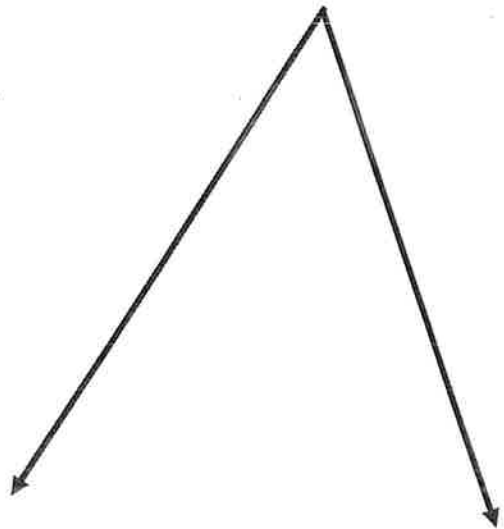
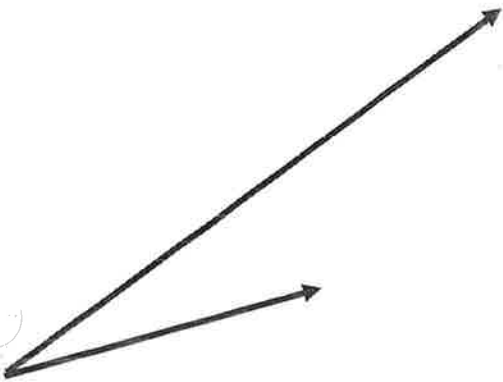
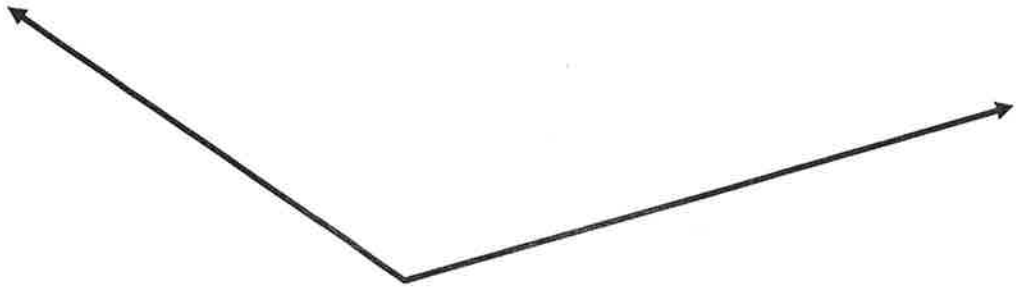
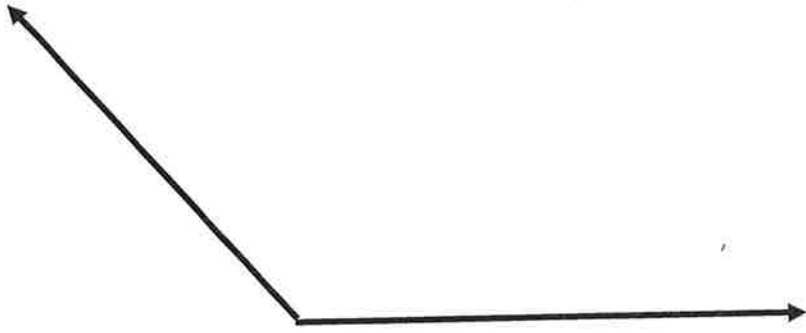


58°

Estimate the angle

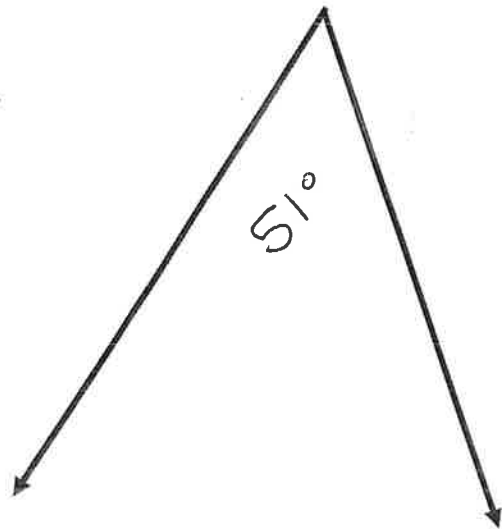
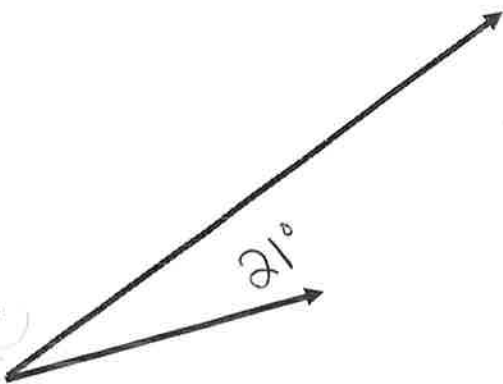
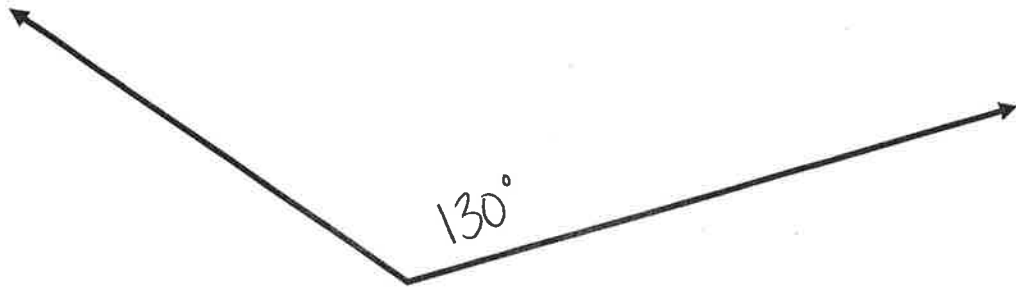
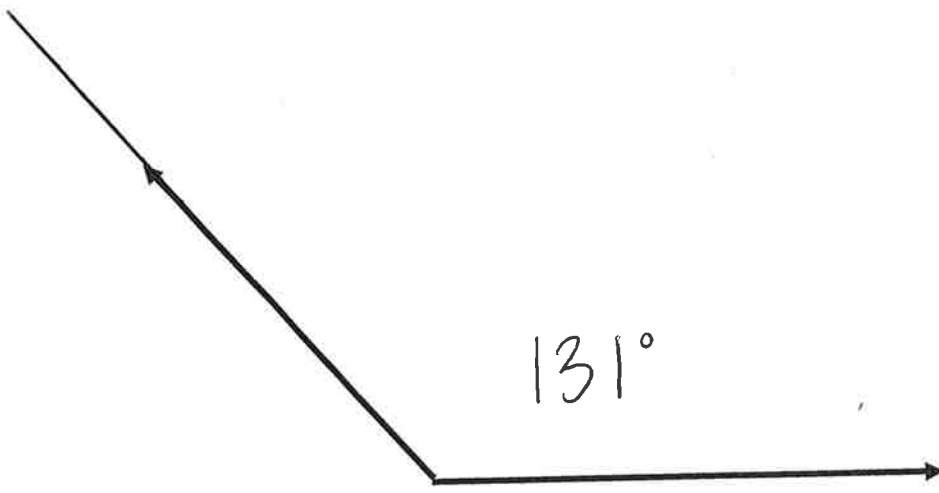


167°



Measuring Angles

- ① Estimate and think: Is it acute, obtuse, etc.?
- ② Line up the "zero line" on your protractor with one side of the angle.
- ③ Follow the other side up to see where it falls on the protractor.
- ④ Measure the angle - remember to make sure you're using the correct scale.



Drawing Angles

① Draw a line.

② Line up the "zero line" on the line you drew.

③ Follow the scale and put a dot at the measurement you are looking for.

④ Remove the protractor and connect the dot to the original line to form the angle.

