

Activity 1 Assessment

Measuring and Constructing Angles

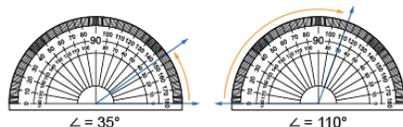
Measuring and Comparing Angles

Identifies and compares different types of angles using benchmarks of 90° and 180° .



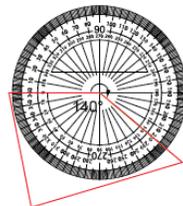
"A is an acute angle because it looks less than 90° . B is a 90° right angle because it looks like a square corner. C is an obtuse angle because it looks like it is between 90° and 180° . D is a 180° straight angle because it is a straight line."

Compares/measures angles clockwise & counterclockwise using a 180° protractor.



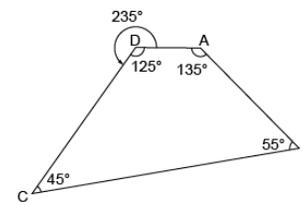
"I can use a protractor to compare and measure angles. The first angle opens right, so I used the inside scale. It measures 35° . The second angle opens left, so I used the outer scale. It measures 110° ."

Constructs angles using a 360° protractor and states the relationships between angles.



"I used the circle protractor to measure the reflex angle: 220° . I then subtracted the angle from 360° to determine the unknown interior angle: $360^\circ - 220^\circ = 140^\circ$. The sum of the reflex angle and the interior angle must be 360° ."

Flexibly measures & constructs angles and matches angles using the additive principle.



"The angle measures are 135° , 45° , 55° , and 125° , and the sum: $135^\circ + 45 + 55^\circ + 125^\circ = 360^\circ$. The 235° reflex angle and 125° matching angle add to 360° ."

Observations/Documentation