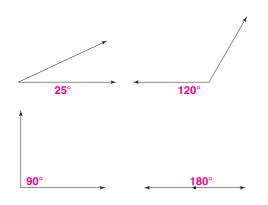
Activity

How do you use a protractor?

You can use a **protractor** to measure and draw angles.

a. Trace each angle and extend its sides. Follow the directions at the right to measure each angle.

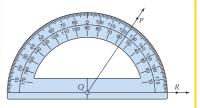


- **b.** There are two scales of numbers on a protractor. How did you decide which one to use? See margin.
- **c.** Follow the directions at the right to draw an angle with each measure. **See margin**.



To Measure an Angle

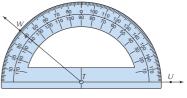
Place the protractor's center on the angle's vertex. Place the 0° mark on one side of the angle. Read the measure where the other side of the angle crosses the protractor.



The measure of $\angle PQR$ is 56°.

To Draw an Angle of 140°

Draw \overrightarrow{TU} . Be sure to label the endpoint *T*. Place the protractor's center on *T*. Line up \overrightarrow{TU} with the 0° mark. Place a point at 140°. Label it *W*. Draw \overrightarrow{TW} .



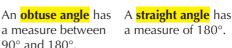
The measure of $\angle WTU$ is 140°.

How can you classify angles?









- An **acute angle** has a measure between 0° and 90°.
- A <mark>right angle</mark> has a measure of 90°.

🎸 Talk About It

1. Find an example of each of the four types of angles in your classroom. See above.