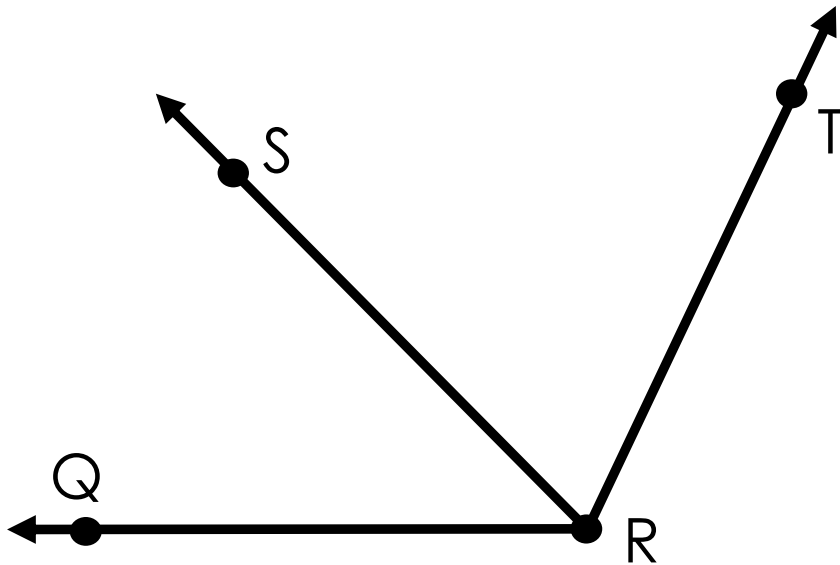


Adjacent Angles

The term adjacent angles is used to describe two angles that share one ray. The angles shown here are adjacent angles.



You can use what you know about one angle to find the measurement of an adjacent angle without using a protractor.

If you know... $\angle QRS = 40^\circ$ and $\angle SRT = 80^\circ$	If you know... $\angle QRS = 40^\circ$ and $\angle QRT = 120^\circ$	If you know... $\angle QRT = 120^\circ$ and $\angle SRT = 80^\circ$
Then you know... $\angle QRT = 120^\circ$ because... $40 + 80 = 120$	Then you know... $\angle SRT = 80^\circ$ because... $120 - 40 = 80$	Then you know... $\angle QRS = 40^\circ$ because... $120 - 80 = 40$

Think of fact families when you are working with adjacent angles!