A right angle is __90__ degrees.
Acute angles are __less__ than a right angle.
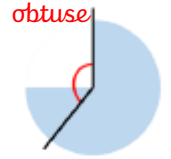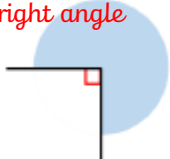Obtuse angles are __greater__ than a right angle.

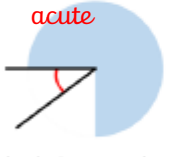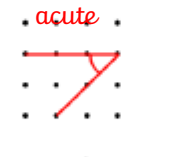Sort the angles into acute, obtuse and right angles.

obtuse acute obtuse right angle

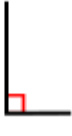acute acute acute obtuse

87° 97°

Label the angles. O for obtuse, A for acute and R for right angle.
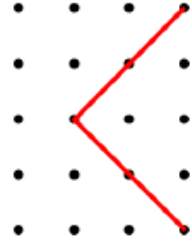
a o r o a

I know the angle is not obtuse.

Teddy

I know the angle is acute.

Alex

I think the angle is roughly 45°.

Whitney

Who is correct?
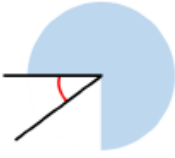Explain your reasons.

All are correct. Children may reason about how Whitney has come to her answer and discuss that the angle is about half a right angle. Half of 90 degrees is 45 degrees.

Is the angle acute, obtuse or a right angle? Can you explain why?

The angle is a right angle. Children may use an angle tester to demonstrate it, or children may extend the line to show that it is a quarter turn which is the same as a right angle.

Find the sum of the largest acute angle and the smallest obtuse angle in this list:

12°   98°   87°   179°   90°   5°

$87° + 98° = 185°$