

## Measuring Angles in Degrees

1. B and D
2. A. acute; B. right angle
3. A. >; B. <; C. <
4. C is the odd one out because it is an acute angle. A, B and D are all obtuse angles.
5. More acute angles can be made than obtuse angles. There are 9 acute angles ( $15^\circ$ ,  $17^\circ$ ,  $19^\circ$ ,  $51^\circ$ ,  $57^\circ$ ,  $59^\circ$ ,  $71^\circ$ ,  $75^\circ$  and  $79^\circ$ ) and 7 obtuse angles ( $91^\circ$ ,  $95^\circ$ ,  $97^\circ$ ,  $157^\circ$ ,  $159^\circ$ ,  $175^\circ$  and  $179^\circ$ )
6. Various answers, for example: Kenneth is incorrect because the angle is obtuse and must be more than  $90^\circ$ . It is close to being a right angle, but is more likely to be  $91^\circ$  as this is obtuse.