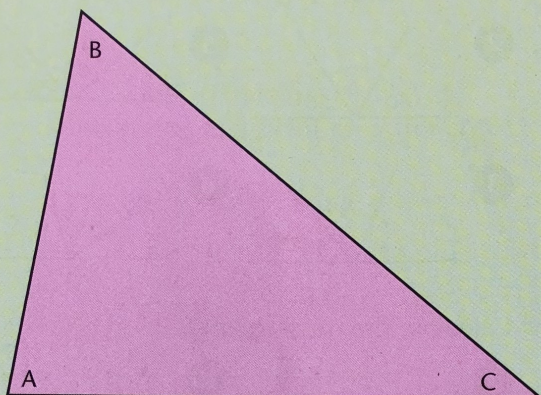**TARGET** To measure and draw angles, writing their sizes in degrees.

A
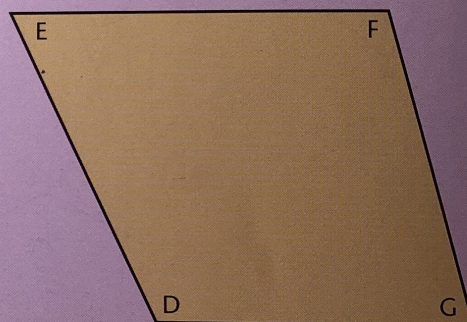

1. Estimate the size of each angle in the triangle to the nearest 10°.

2. Measures the angles.

3. Use a protractor to draw and label the following angles.
   - a) 80°
   - b) 110°
   - c) 20°
   - d) 170°
   - e) 50°
   - f) 140°

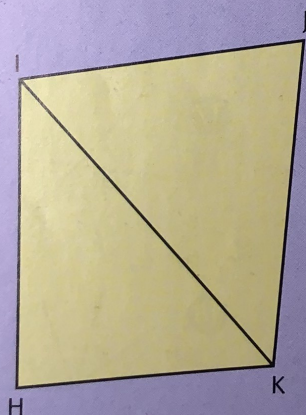4. Draw a triangle with angles of 100° and 40°. Measure the third angle. Label the angles.

B

1. Estimate the size of each angle in the quadrilateral to the nearest 5°.

2. Measure the angles.

3. Use a protractor to draw and label the following angles. Write acute or obtuse by each angle.
   - a) 65°
   - b) 135°
   - c) 15°
   - d) 95°
   - e) 35°
   - f) 165°

4. Draw a quadrilateral with angles of 85°, 45° and 125°. Measure the fourth angle. Label the angles.

C

1. Estimate and then measure to the nearest degree the angles of:
   - a) triangle HIK
   - b) triangle IJK
   - c) quadrilateral HIJK

2. Draw and label the following angles.
   - a) 72°
   - b) 106°
   - c) 159°
   - d) 23°
   - e) 57°
   - f) 121°
   - g) 224°
   - h) 278°

3. Draw a quadrilateral with angles of:
   - a) 117°, 94°, 43°
   - b) 38°, 202°, 67°

   Measure the fourth angles. Label the angles.

4. Find the sum of the angles of each quadrilateral. What do you notice?