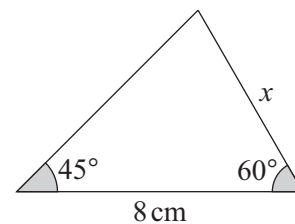1. Construct an equilateral triangle with each side equal to 7 cm.

2. Construct an angle of 60°.

3. **a** Draw a line 8 cm long and mark the point A as shown.

   5 cm   A   3 cm

   b Construct an angle of 90° at A.

4. **a** Draw a line 10 cm long and mark the point B on the line as shown.

   4 cm   B   6 cm

   b Construct an angle of 45° at B.

5. Construct a right-angled triangle ABC, where the angle ABC = 90°, BC = 6 cm and angle ACB = 60°. Measure the length of AB.

6. Construct this triangle with ruler and compasses only.
   Measure x.

   45°   60°
          8 cm
   x

7. Draw any line and any point A.
   Construct the perpendicular from the point A
   to the line.

   • A