TASK **4.11**

1. **a** *Explain* why these triangles are similar.
   b Find x.

   4 cm
   50°
   55° 5 cm

   x
   50°
   20 cm
   55°
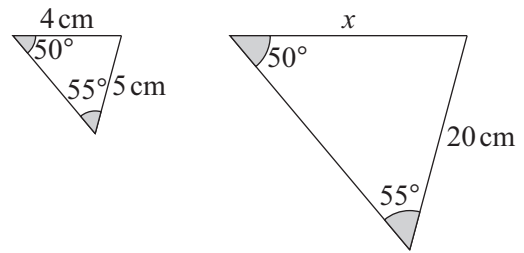
2. Rectangles A and B are similar.
   Find x.

   3 cm | A
   4 cm

   x | B
   14 cm
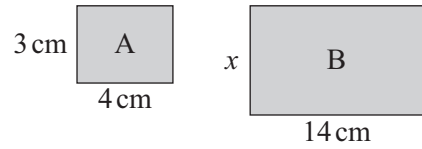
3. Shapes C and D are similar.
   Find y and z.

   8 cm
   C z
   5 cm

   20 cm
   D   27·5 cm
   y

4. Use similar triangles to find x.

   5 cm
   x 2 cm
   10 cm
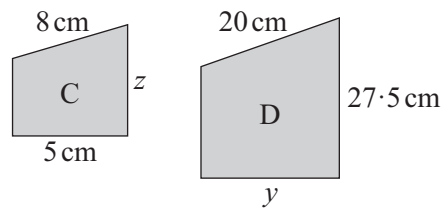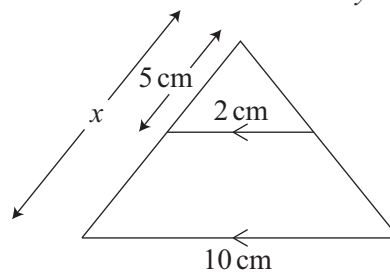
5. Use similar triangles to find y.

   12 cm
   8 cm
   ← 6 cm → ← y →
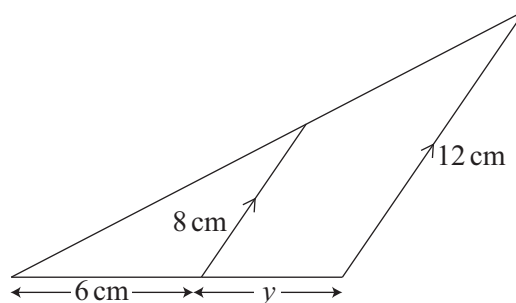
6. Use similar triangles to find x in each diagram below.

   a x
   15 cm
   4 cm
   10 cm

   b
   x
   36 cm   4 cm
   45 cm