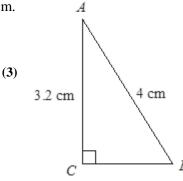
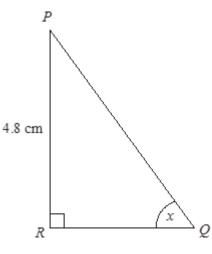
**1.** Triangles *ABC* and *PQR* are similar.

AC = 3.2 cm, AB = 4 cm and PR = 4.8 cm.

Calculate the length of PQ.

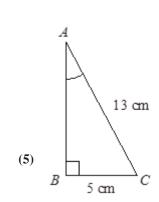


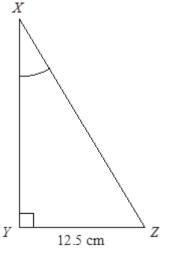


**2.** *ABC* and *XYZ* are similar triangles with right angles at *B* and *Y*.

AC = 13 cm, BC = 5 cm and YZ = 12.5 cm

Calculate the length of YZ.

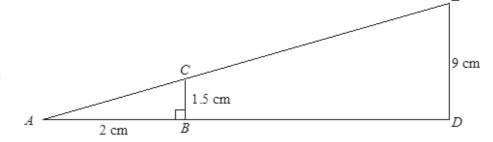




3. ABC and ADE are similar triangles. BC = 1.5 cm, DE = 9 cm, AB = 2 cm

Calculate the length of BD.

(3)

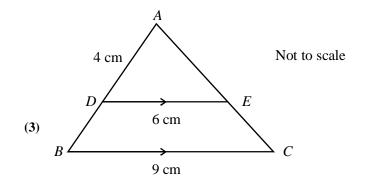


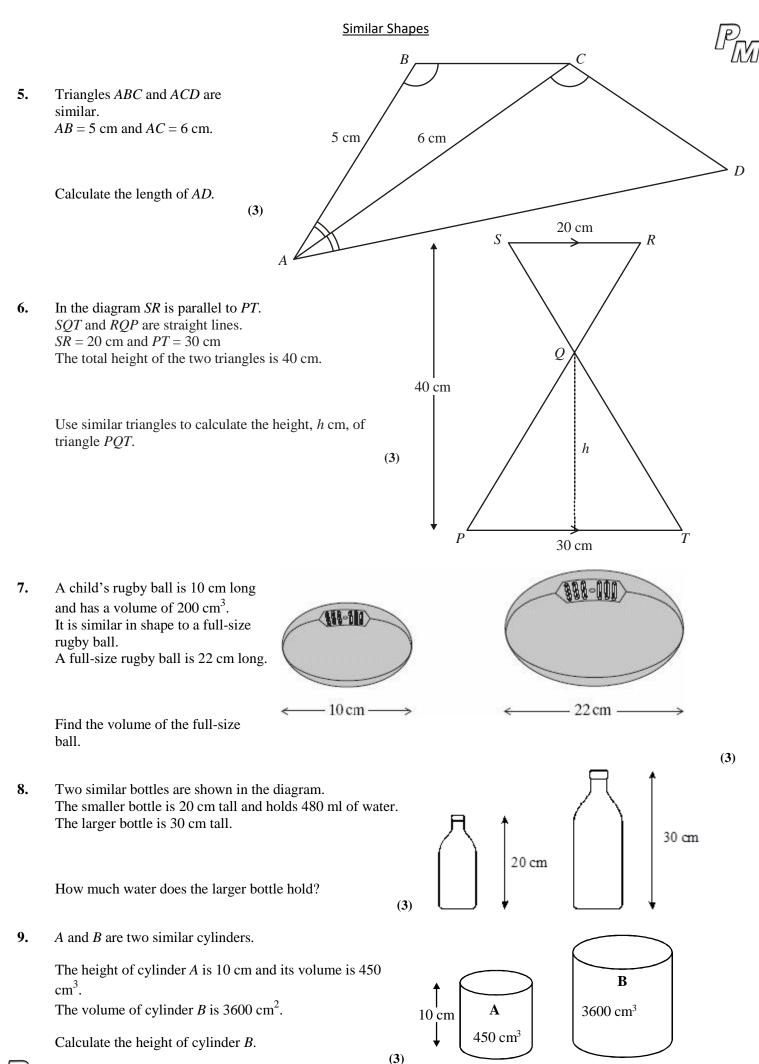
**4.** Triangles *ADE* and *ABC* are similar.

DE is parallel to BC.

AD = 4 cm, DE = 6 cm and BC = 9 cm.

Calculate the length of *BD*.







## **ANSWERS**

- 1. 6cm
- 2. 30cm
- 3. BD = 10cm
- 4. BD = 10cm
- 5. 7.2cm
- 6. 24cm
- 7. 2129.6 cm<sup>3</sup> (or ml)
- 8. 1620cm<sup>3</sup> (or ml)
- 9. 20cm