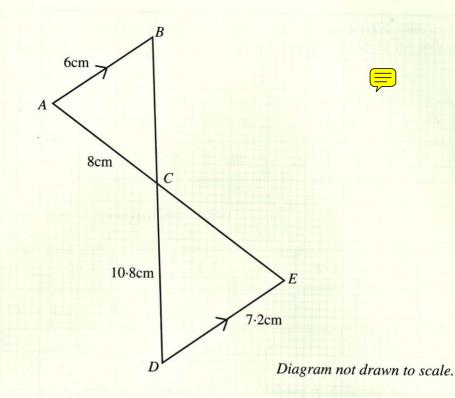


23. In the diagram, PQ is parallel to ST, and the triangles PQR and TSR are similar. The lengths QR = 9 cm, PR = 12 cm, RT = 14.4 cm and ST = 13.2 cm.

Diagram not drawn to scale.

Showing all your working, find the length of RS, (a)..... [2] (b) PQ.



In the diagram, AB is parallel to DE, and the triangles ABC and EDC are similar. AB = 6 cm, AC = 8 cm, DE = 7.2 cm and CD = 10.8 cm.

Showing all your working, find the length of

.....

(a) CE, (b) BC.

[2]

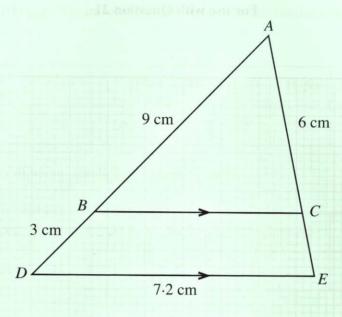


Diagram not drawn to scale.

In the diagram, *BC* is parallel to *DE*, and the triangles *ABC* and *ADE* are similar. AB = 9 cm, AC = 6 cm, BD = 3 cm and DE = 7.2 cm.

Showing all your working, find the length of



[2]

