

18.

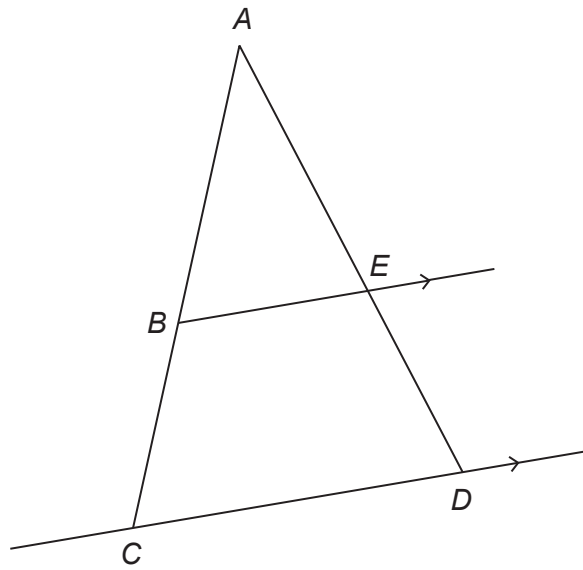


Diagram not drawn to scale

In the diagram above $AE = x$ cm, $ED = y$ cm and $AB = z$ cm.
Starting with the relationship between AB and AC , **prove** that BC can be expressed in terms of x , y and z .
Hence, find an expression for BC in its simplest form. [5]

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