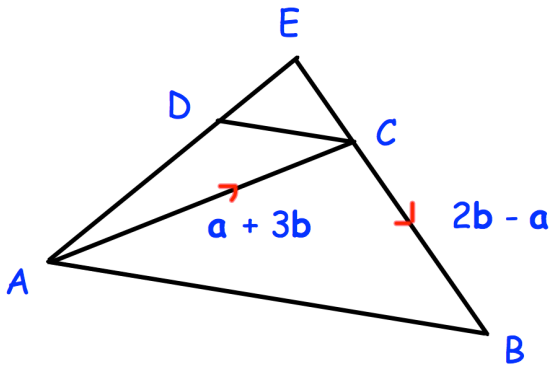
14th January **Higher Plus 5-a-day**

Corbettmaths

Find the value of $32^{\frac{2}{5}}$



$\overrightarrow{AC} = \mathbf{a} + 3\mathbf{b}$ $\overrightarrow{CB} = 2\mathbf{b} - \mathbf{a}$

$\overrightarrow{DE} = \frac{1}{5}\mathbf{a}$

Find the vector $\overrightarrow{AB}$

$\overrightarrow{EC} = \frac{1}{5}\overrightarrow{CB}$

Prove DC is parallel to AB

Expand and simplify

$(x + 2)(3x - 1)^2$

Write

$\frac{4}{\sqrt{5}} - \sqrt{2\frac{2}{9}}$

in the form k√5

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