

(b)

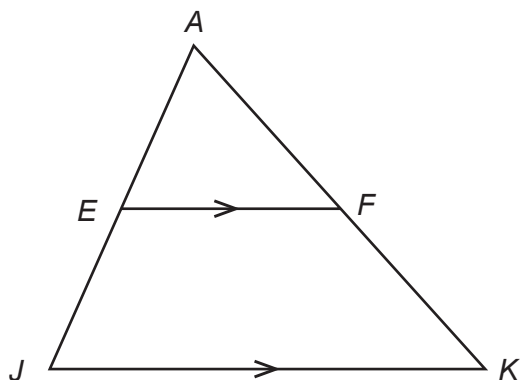


Diagram not drawn to scale

You are given that $AJ = 8x$ cm, $AK = 11y$ cm, $EF = 2x + 3y$ cm and that F is the mid-point of AK .

Find the perimeter of triangle AEF in terms of x and y .
Give your answer in its simplest form.

[3]

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