26 Here is a prism *ABCDEFGH* with a horizontal, rectangular base *ABGF*

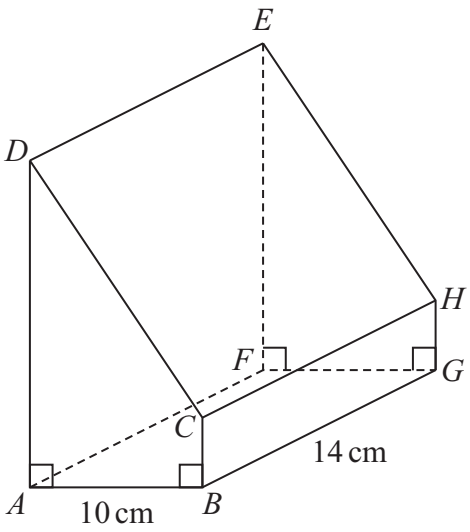


Diagram **NOT** accurately drawn

$AB = 10\,\text{cm}$ $BG = 14\,\text{cm}$

angle DAB = angle ABC = angle EFG = angle $FGH = 90°$

$BC = \frac{1}{5}AD$

The angle of elevation of E from B is 50°

Calculate the volume of the prism.
Give your answer correct to 3 significant figures.
Show your working clearly.

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..... cm^3

(Total for Question 26 is 5 marks)

Turn over for Question 27