9 The diagram shows a rectangular sheet of metal *ABCD*

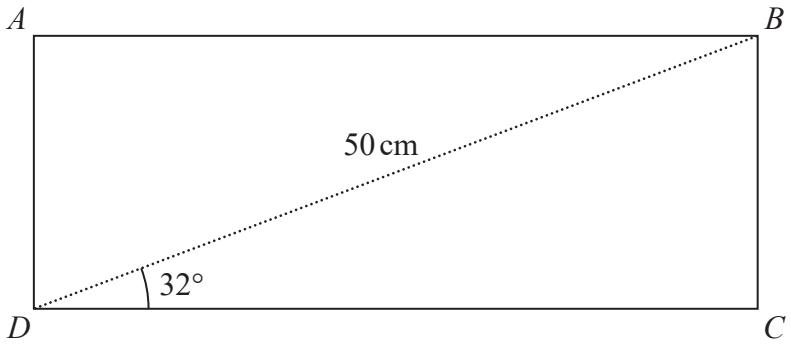


Diagram **NOT** accurately drawn

BD = 50 cm and angle *BDC* = 32°

Nasser joins side *AD* to side *BC* to form a cylinder.

BC is the height of the cylinder.
DC is the circumference of the cross section of the cylinder.

Work out the volume, in cm^3, of the cylinder.
Give your answer correct to 3 significant figures.

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..... cm^3

(Total for Question 9 is 6 marks)

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