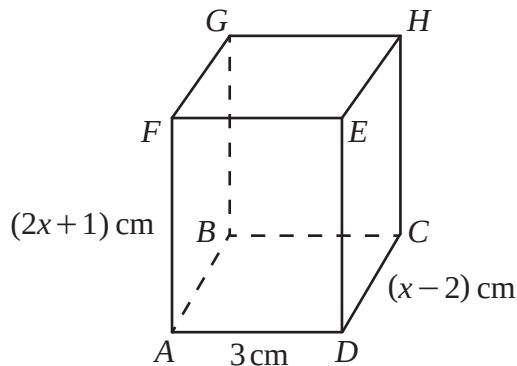


5 In this question you must show detailed reasoning.



The diagram shows the cuboid $ABCDEFGH$ where $AD = 3$ cm, $AF = (2x + 1)$ cm and $DC = (x - 2)$ cm.

The volume of the cuboid is at most 9 cm^3 .

Find the range of possible values of x . Give your answer in interval notation.

[5]