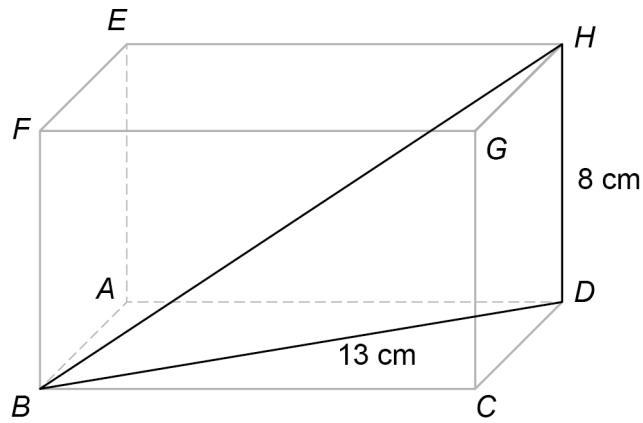


1 Here is a cuboid.

$$DH = 8 \text{ cm}$$

$$DB = 13 \text{ cm}$$



1 (a) Work out the size of angle DBH .

[2 marks]

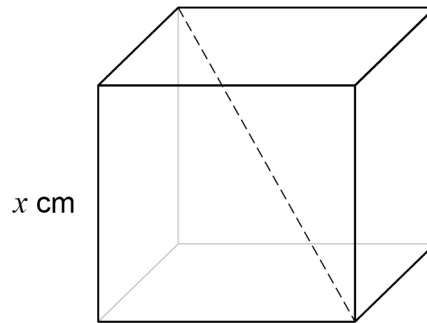
Answer _____ degrees

1 (b) Using your answer to part (a), work out the size of angle ECG .

[1 mark]

Answer _____ degrees

- 2** Here is a cube with edge length x cm
One diagonal is shown.



- 2 (a)** Circle the length, in centimetres, of the diagonal.

[1 mark]

$\sqrt{3}x$

$\sqrt[3]{3x^2}$

$\sqrt{x^3}$

$\sqrt[3]{3}x$

- 2 (b)** The total length, in centimetres, of the edges of the cube is a multiple of 18
Circle the correct statement.

[1 mark]

x is a
whole number

x is not a
whole number

x might be a
whole number