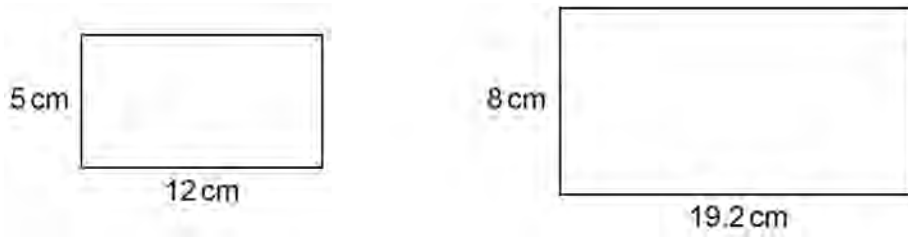


1

Show that these two rectangles are similar.

[2 marks]Not drawn
accurately

$$\frac{8}{5} = 1.6$$

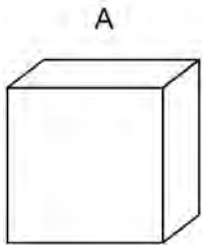
(1)

$$\frac{19.2}{12} = 1.6$$

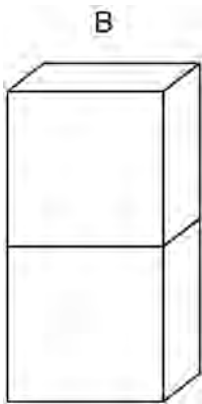
$$\frac{8}{5} = \frac{19.2}{12} = 1.6$$

(1)

2 Here is cuboid A.



Cuboid B is made from **two** of cuboid A.



volume of A : volume of B = 1 : 2

Matthew says,
“surface area of A : surface area of B must be 1 : 2 because B is made of 2 of A.”

Is Matthew correct?

Tick **one** box.

☐

Yes

☒

No

☐

Cannot tell

Give a reason for your answer.

[2 marks]

2 faces are hidden . 1