

Please make sure that you print this resource at 100% so that all measurements are correct.

To do this, follow the relevant steps below.

### Adobe Reader or Adobe Acrobat

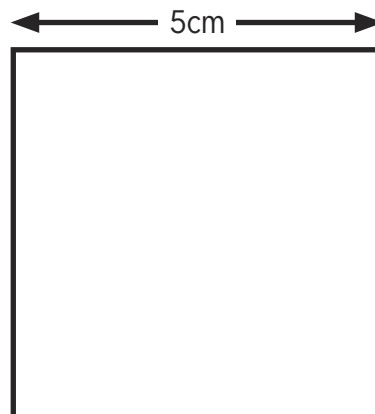
- Adobe Reader is a free PDF viewer, from Adobe. To install a copy of Adobe Reader, go to <https://get.adobe.com/uk/reader/>.
- Once Adobe Reader is installed, open your PDF.
- Go to File>Print.
- Under 'Page Sizing & Handling', select 'Size'.
- From here, make sure that 'Actual Size' is selected.
- Print this page as a test, making sure that the shape below is the correct size once printed.
- If the test print is correct, print your PDF.

### Foxit Reader

- Go to File>Print.
- Set the 'Scaling' to 'None'.
- Print this page as a test, making sure that the shape below is the correct size once printed.
- If the test print is correct, print your PDF.

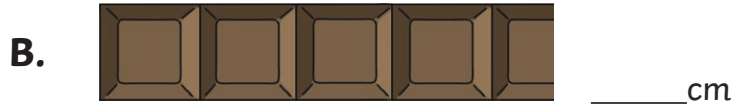
### Web Browser

- If printing from a web browser, such as Chrome, Firefox or Microsoft Edge make sure that your printer is set to print at 100%, either by unticking 'Fit to Page' or selecting 'Actual Size'.
- Print this page as a test, making sure that the shape below is the correct size once printed.
- If the test print is correct, print your PDF.



# Chocolate Bar Measuring

Use a ruler to measure the length of each chocolate bar to the nearest centimetre (cm).



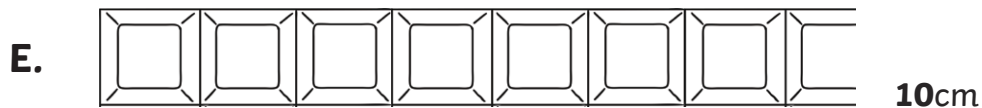
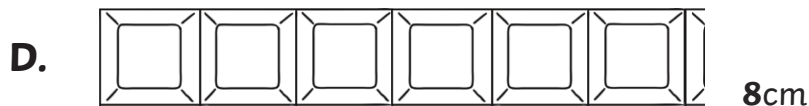
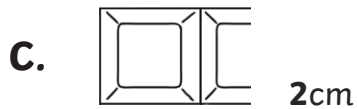
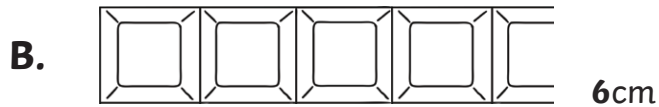
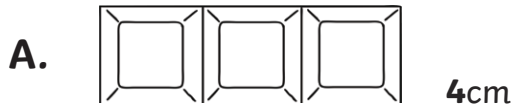
## Challenge

Put the chocolate bars in order from **smallest** to **largest**.

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# Chocolate Bar Measuring Answers

Use a ruler to measure the length of each chocolate bar to the nearest centimetre (cm).




## Challenge

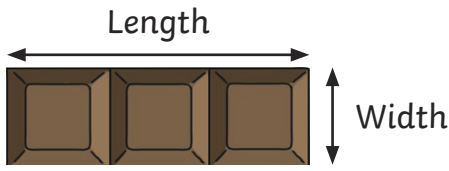
Put the chocolate bars in order from **smallest** to **largest**.

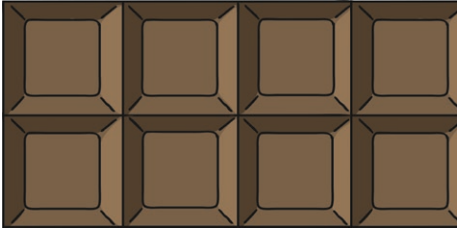
C, A, B, D, E


# Chocolate Bar Measuring

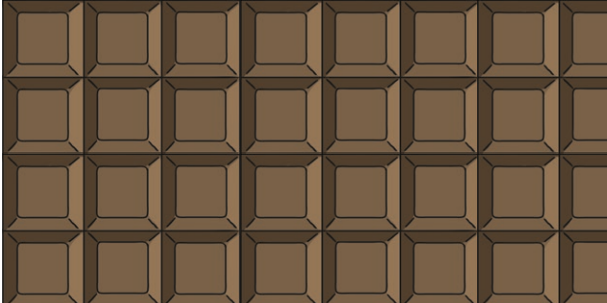
Use a ruler to measure the length and width of each chocolate bar to the nearest centimetre (cm).


**A.**  Length \_\_\_\_\_ cm  
Width \_\_\_\_\_ cm



**B.**  Length \_\_\_\_\_ cm  
Width \_\_\_\_\_ cm

**C.**  Length \_\_\_\_\_ cm  
Width \_\_\_\_\_ cm

**D.**  Length \_\_\_\_\_ cm  
Width \_\_\_\_\_ cm

**E.**  Length \_\_\_\_\_ cm  
Width \_\_\_\_\_ cm

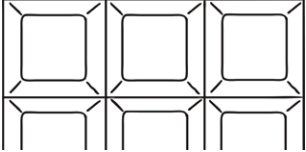
## Challenge

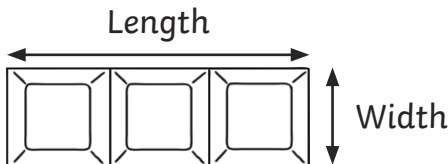
Tamil says that chocolate bar B is half the length of bar E. Is he correct? Explain how you know.

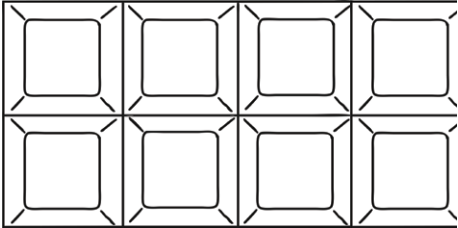
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# Chocolate Bar Measuring Answers

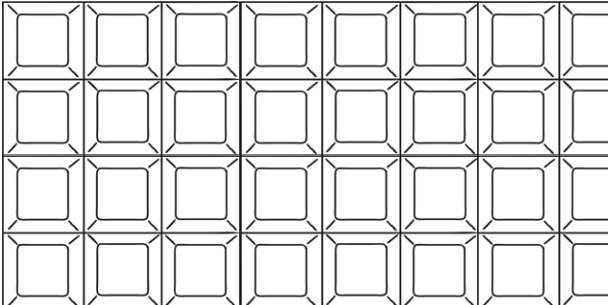
Use a ruler to measure the length and width of each chocolate bar to the nearest centimetre (cm).

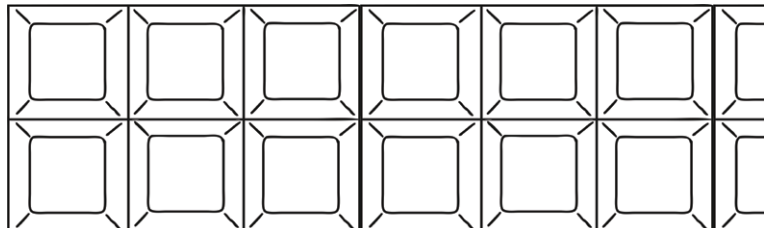
**A.**  Length **4** cm  
Width **2** cm



**B.**  Length **6** cm  
Width **3** cm

**C.**  Length **2** cm  
Width **1** cm

**D.**  Length **8** cm  
Width **4** cm

**E.**  Length **10** cm  
Width **3** cm


## Challenge

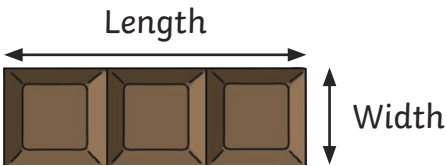
Tamil says that chocolate bar B is half the length of bar E. Is he correct? Explain how you know.

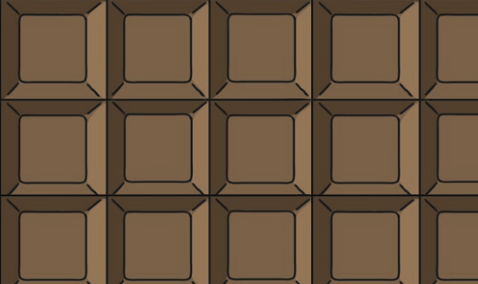
**Tamil is not right as half of bar E would measure 5cm long and bar B measures 6cm long. Therefore bar B is 1cm longer than half would be.**

# Chocolate Bar Measuring

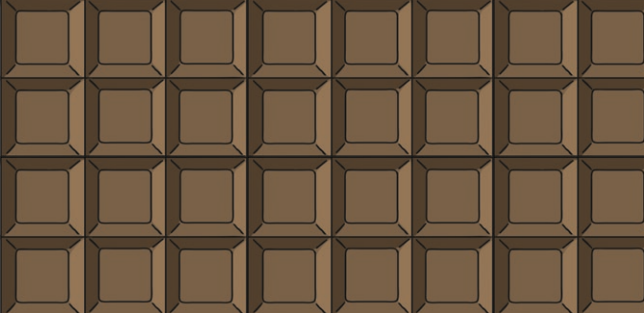
Use a ruler to measure the length and width of each chocolate bar to the nearest millimetre (mm).


**A.**  Length \_\_\_\_\_ mm  
Width \_\_\_\_\_ mm



**B.**  Length \_\_\_\_\_ mm  
Width \_\_\_\_\_ mm

**C.**  Length \_\_\_\_\_ mm  
Width \_\_\_\_\_ mm

**D.**  Length \_\_\_\_\_ mm  
Width \_\_\_\_\_ mm

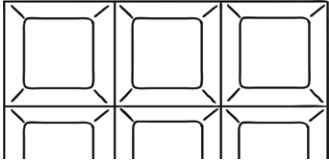
**E.**  Length \_\_\_\_\_ mm  
Width \_\_\_\_\_ mm

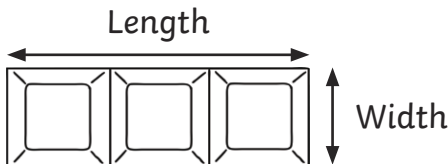
## Challenge

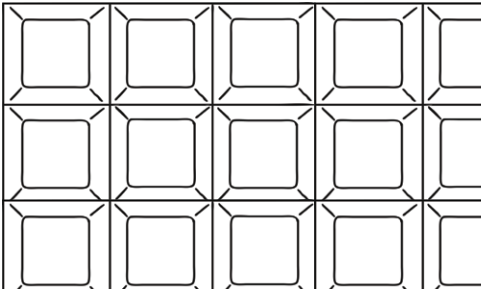
Write the length and width of each bar to the nearest whole cm next to each of your answers.


# Chocolate Bar Measuring Answers

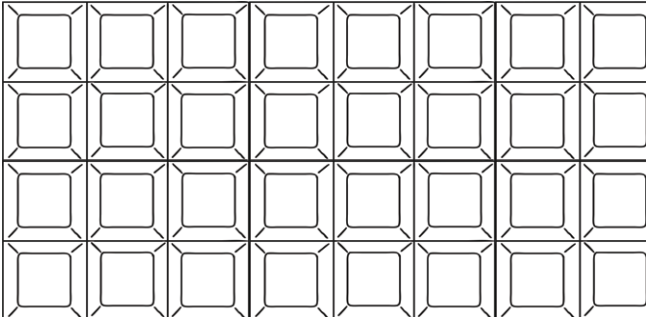
Use a ruler to measure the length and width of each chocolate bar to the nearest millimetre (mm).

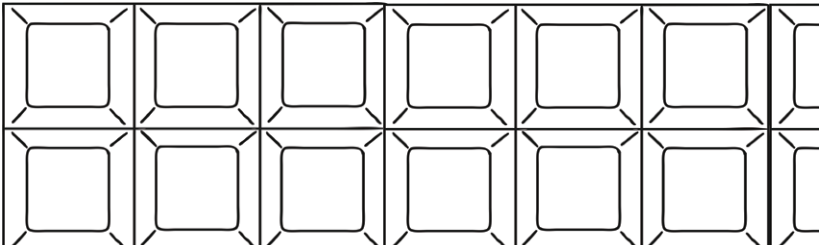
**A.**  Length **43** mm    **4**cm  
Width **21** mm    **2**cm



**B.**  Length **64** mm    **6**cm  
Width **38** mm    **4**cm

**C.**  Length **27** mm    **3**cm  
Width **11** mm    **1**cm

**D.**  Length **85** mm    **9**cm  
Width **42** mm    **4**cm

**E.**  Length **108** mm    **11**cm  
Width **33** mm    **3**cm

## Challenge

Write the length and width of each bar to the nearest whole cm next to each of your answers.