

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

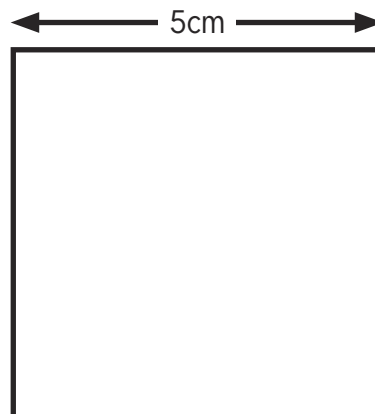
- Adobe Reader is a free PDF viewer, from Adobe. To install a copy of Adobe Reader, go to <https://get.adobe.com/uk/reader/>.
- Once Adobe Reader is installed, open your PDF.
- Go to File>Print.
- Under 'Page Sizing & Handling', select 'Size'.
- From here, make sure that 'Actual Size' is selected.
- 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.

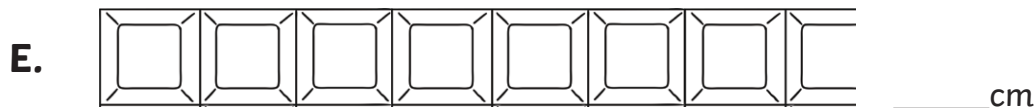
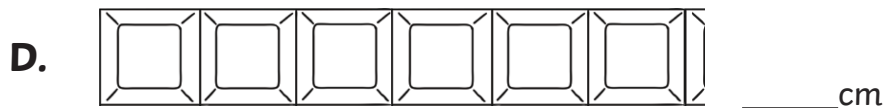
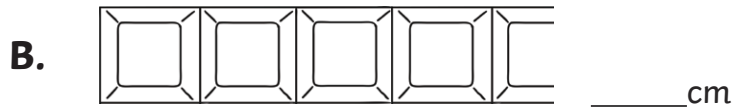
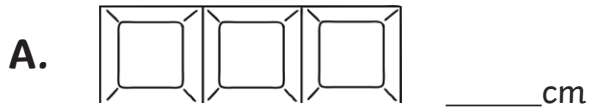
Web Browser

- 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).

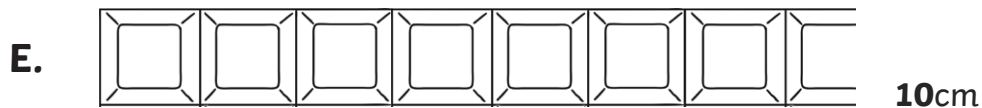
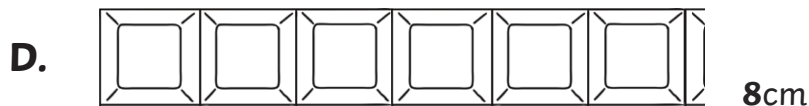
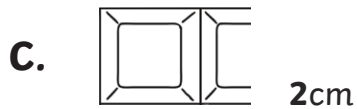
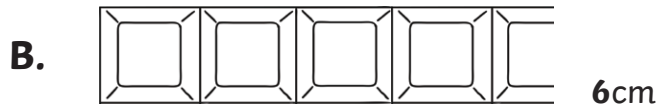
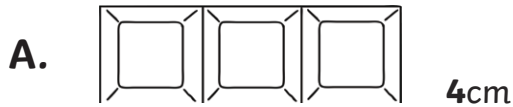


Challenge

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

Chocolate Bar Measuring Answers

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



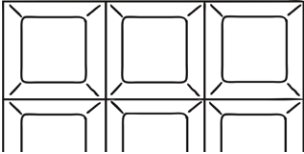
Challenge

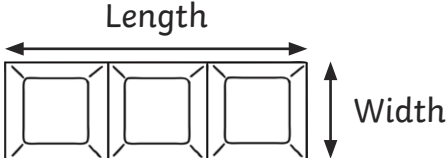
Put the chocolate bars in order from **smallest** to **largest**.

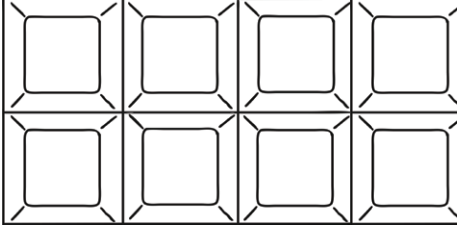
C, A, B, D, E


Chocolate Bar Measuring

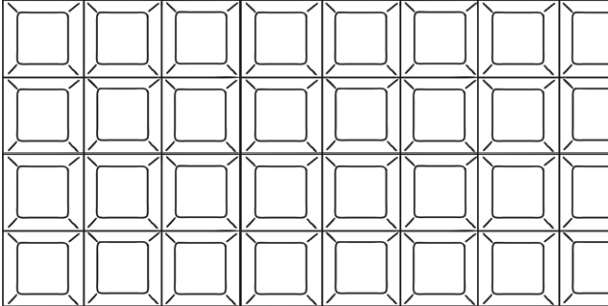
Use a ruler to measure the length and width of each chocolate bar to the nearest centimetre (cm).

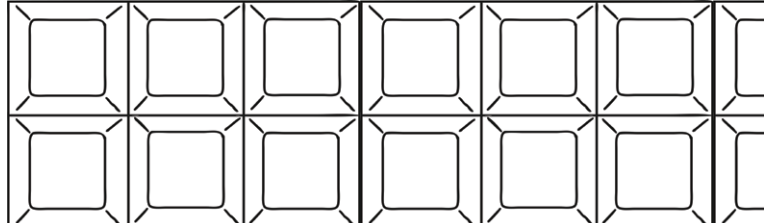
A.  Length _____ cm
Width _____ cm



B.  Length _____ cm
Width _____ cm

C.  Length _____ cm
Width _____ cm

D.  Length _____ cm
Width _____ cm

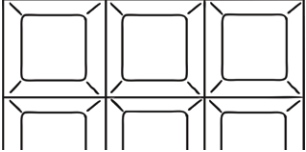
E.  Length _____ cm
Width _____ cm

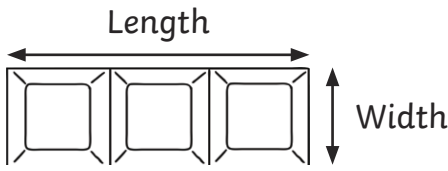
Challenge

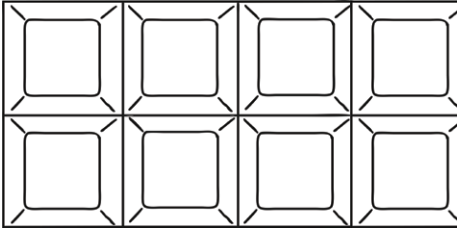
Tamil says that chocolate bar B is half the length of bar E. Is he correct? Explain how you know.

Chocolate Bar Measuring Answers

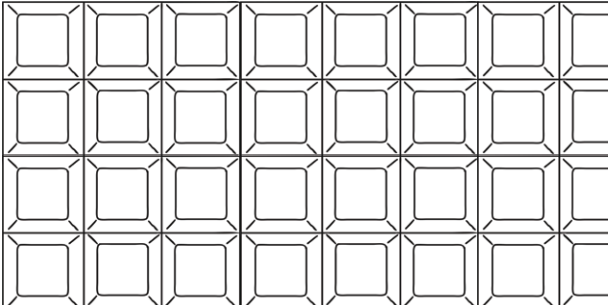
Use a ruler to measure the length and width of each chocolate bar to the nearest centimetre (cm).

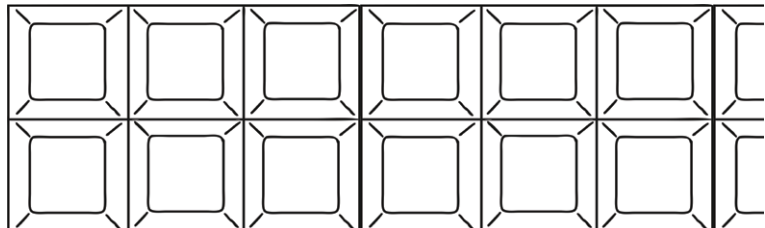
A.  Length **4** cm
Width **2** cm



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

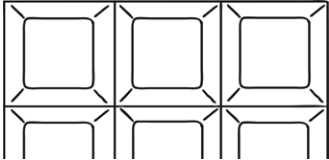
Challenge

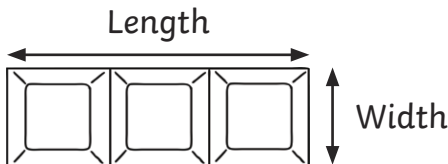
Tamil says that chocolate bar B is half the length of bar E. Is he correct? Explain how you know.

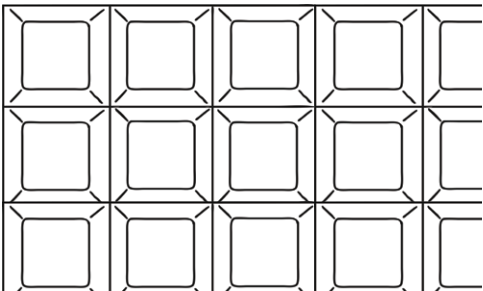
Tamil is not right as half of bar E would measure 5cm long and bar B measures 6cm long. Therefore bar B is 1cm longer than half would be.

Chocolate Bar Measuring

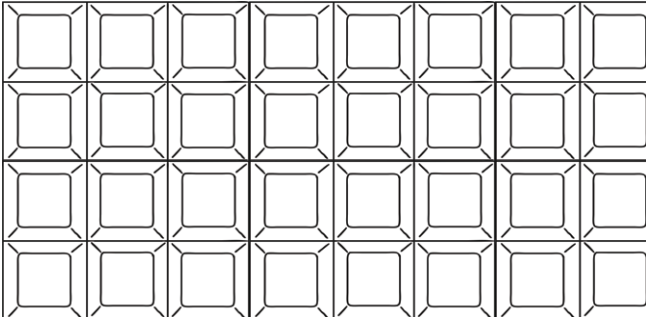
Use a ruler to measure the length and width of each chocolate bar to the nearest millimetre (mm).

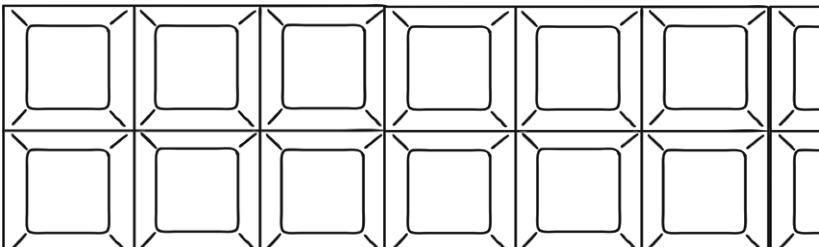
A.  Length _____ mm
Width _____ mm



B.  Length _____ mm
Width _____ mm

C.  Length _____ mm
Width _____ mm

D.  Length _____ mm
Width _____ mm

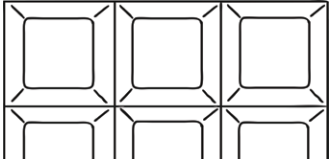
E.  Length _____ mm
Width _____ mm

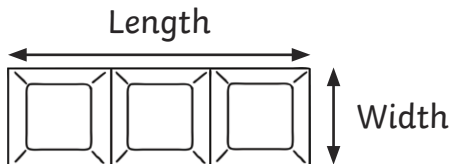
Challenge

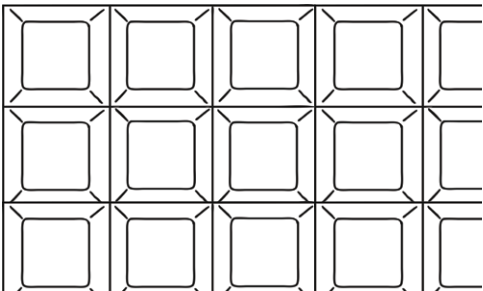
Write the length and width of each bar to the nearest whole cm next to each of your answers.


Chocolate Bar Measuring Answers

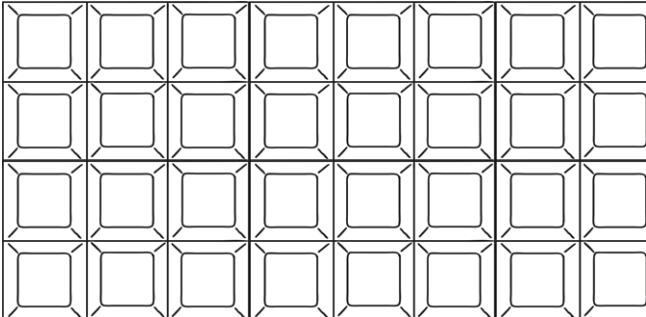
Use a ruler to measure the length and width of each chocolate bar to the nearest millimetre (mm).

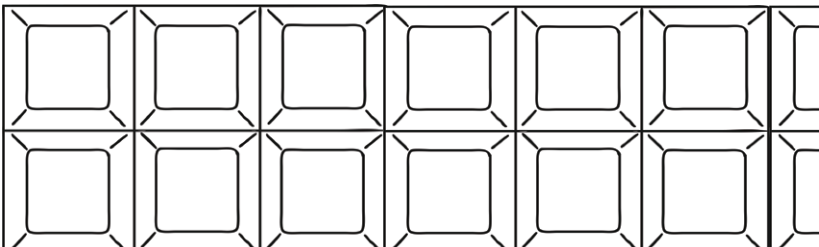
A.  Length **43** mm **4**cm
Width **21** mm **2**cm



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.