

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

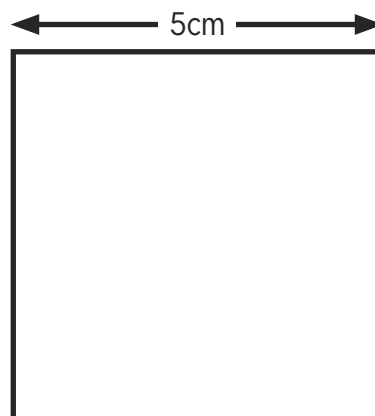
- Adobe Reader is a free PDF viewer, from Adobe. To install a copy of Adobe Reader, go to <https://get.adobe.com/uk/reader/>.
- Once Adobe Reader is installed, open your PDF.
- Go to File>Print.
- Under 'Page Sizing & Handling', select 'Size'.
- From here, make sure that 'Actual Size' is selected.
-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



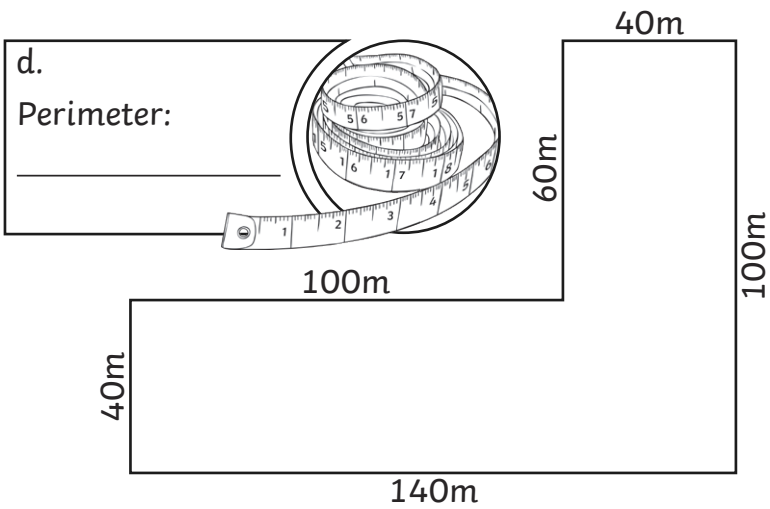
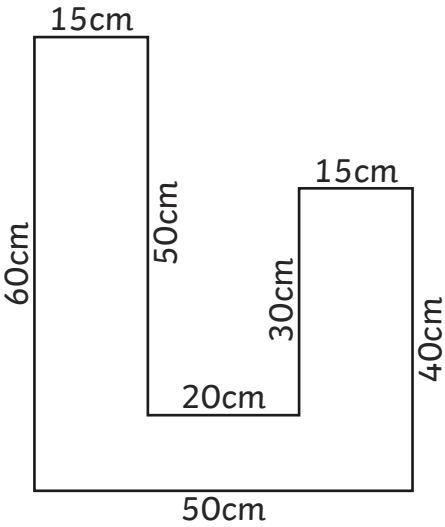
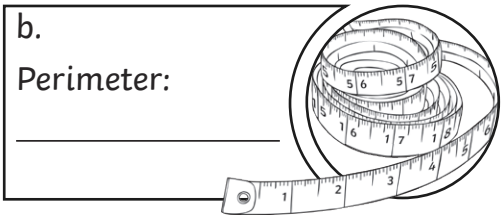
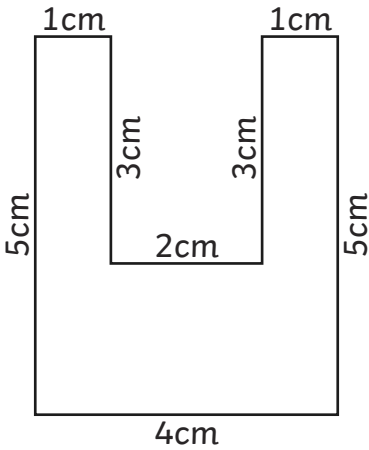
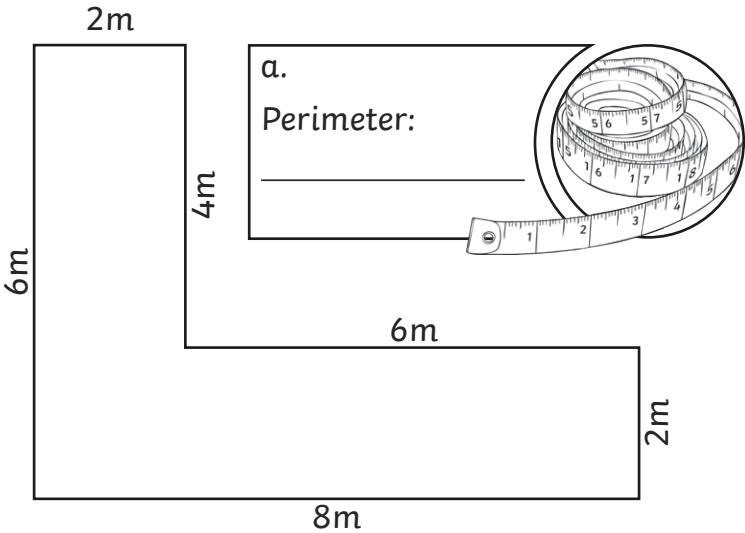


Calculating Perimeter of Composite Rectilinear Shapes

I can calculate the perimeter of composite rectilinear shapes.

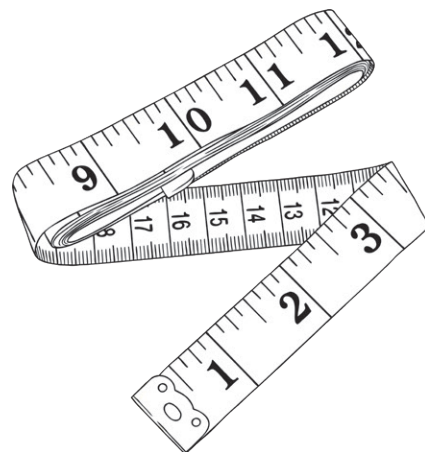
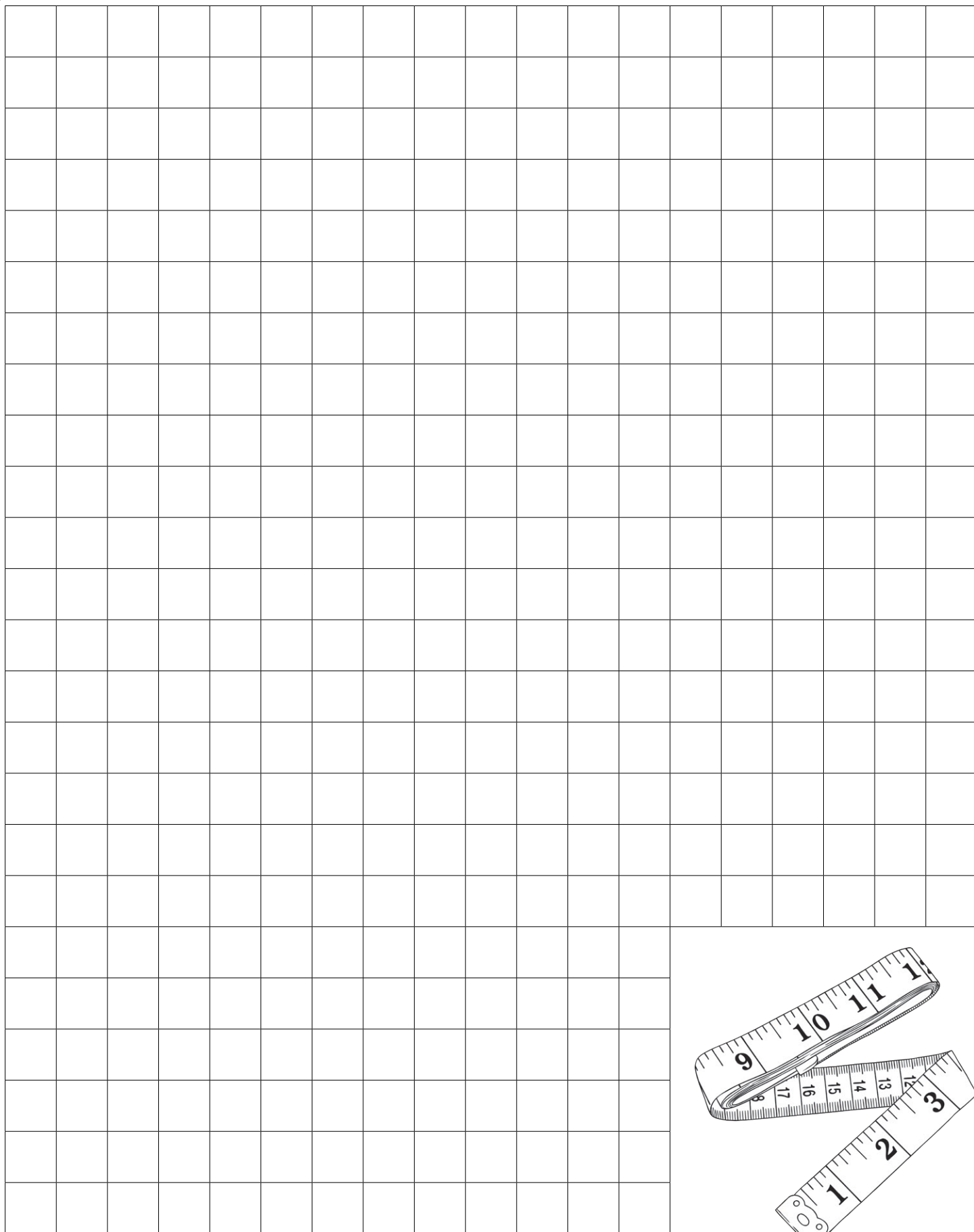


1) Add together the measurements of the sides to calculate the perimeter of these shapes:





2) A composite rectilinear shape has a perimeter of 100cm. Draw two different composite shapes (not exact measurements) which would have a perimeter of 100cm.





Calculating Perimeter of Composite Rectilinear Shapes **Answers**

Question	Answer
1.	Add together the measurements of the sides to calculate the perimeter of these shapes:
a	28m
b	24cm
c	280cm
d	480m
2.	A composite rectilinear shape has a perimeter of 100cm. Draw two different composite shapes (not exact measurements) which would have a perimeter of 100cm.
	Two different composite shapes drawn (not exact measurements) which have a perimeter of 100cm.

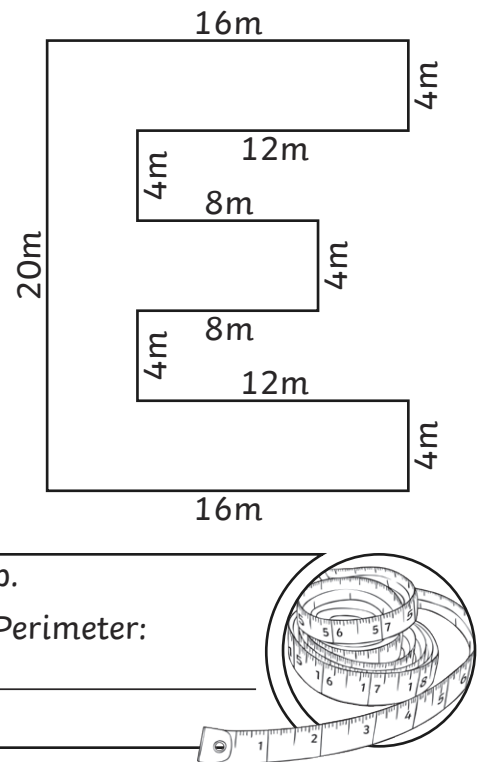
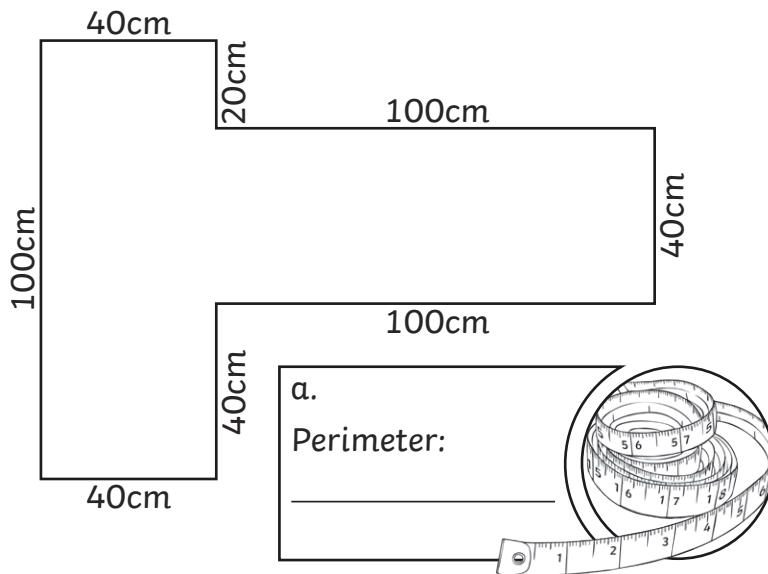


Calculating Perimeter of Composite Rectilinear Shapes

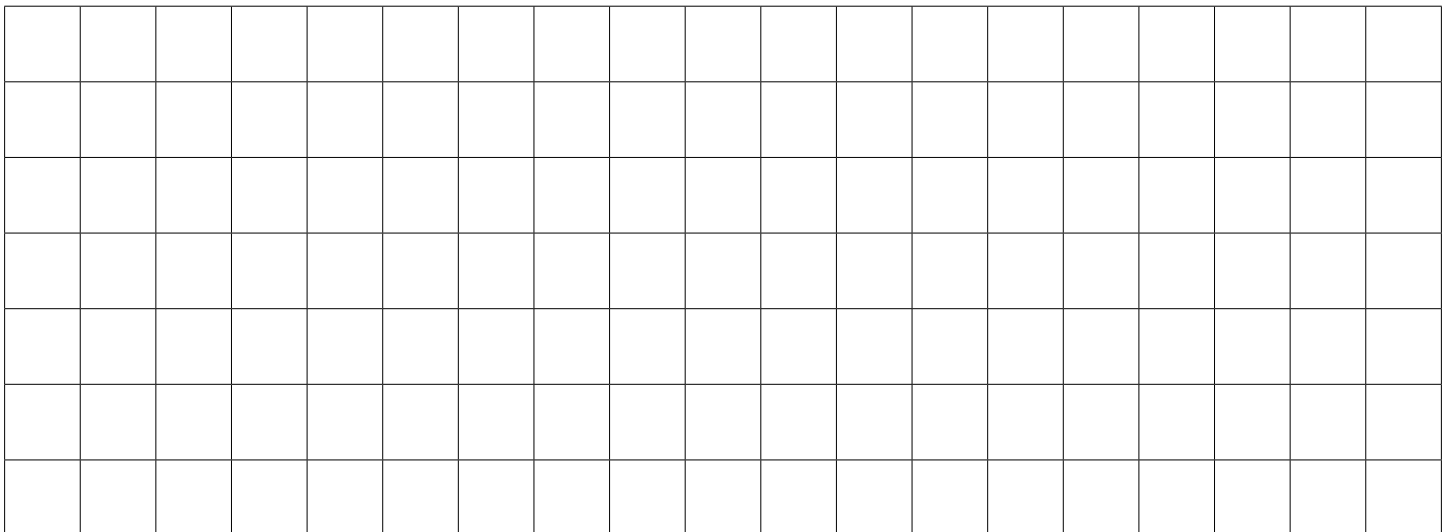
I can calculate the perimeter of composite rectilinear shapes.



- 1) Add together the measurements of the sides to calculate the perimeter of these shapes:

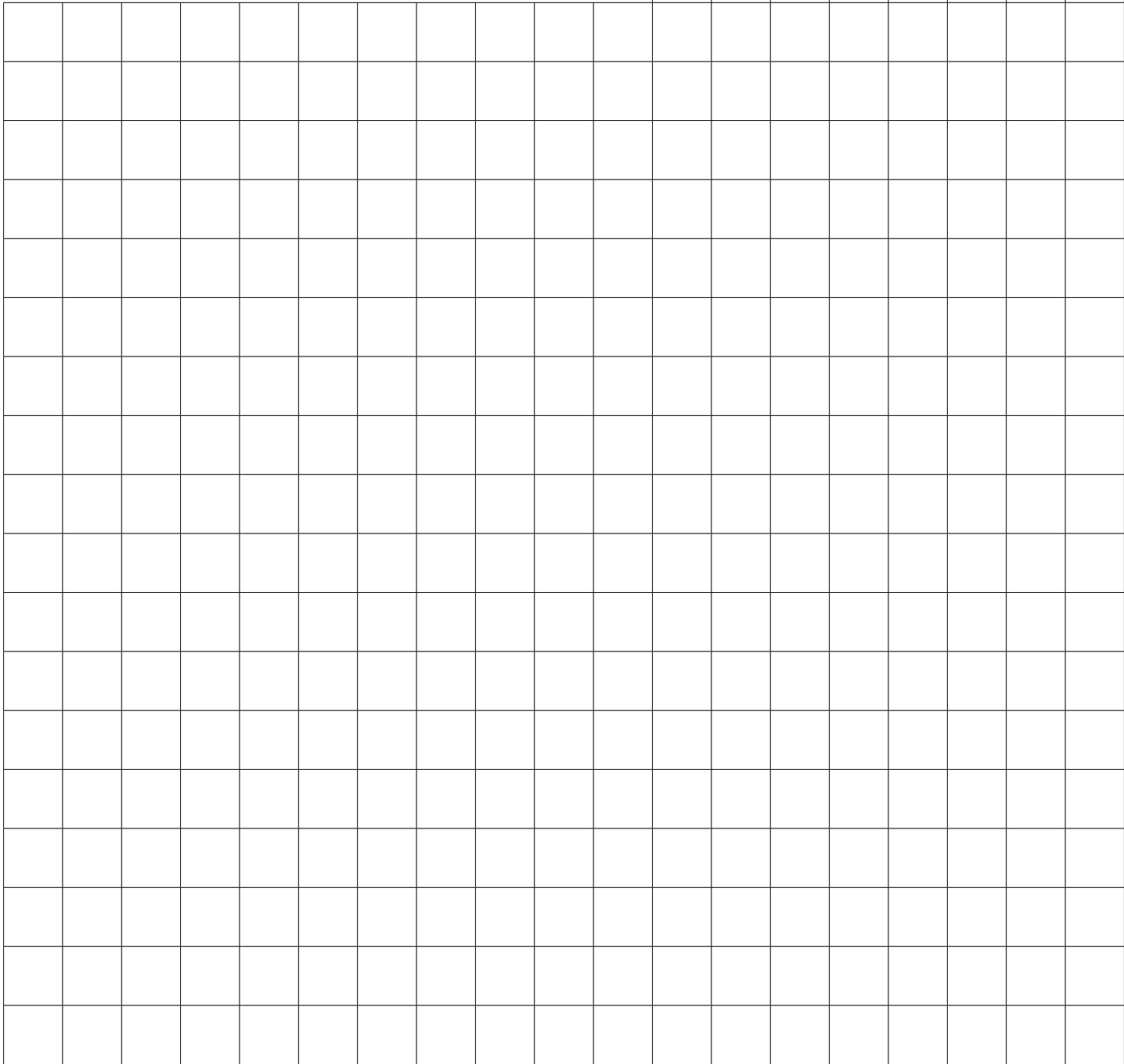
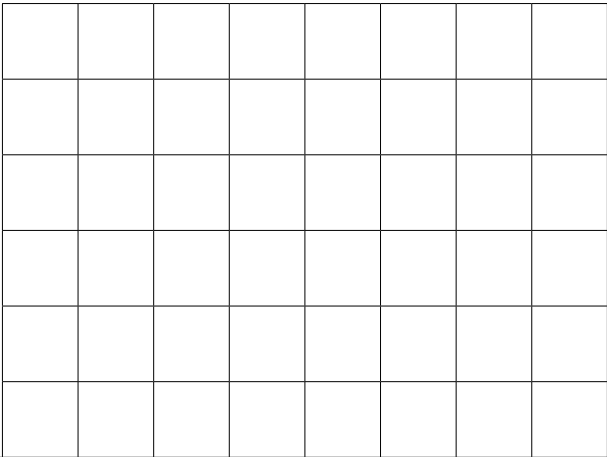
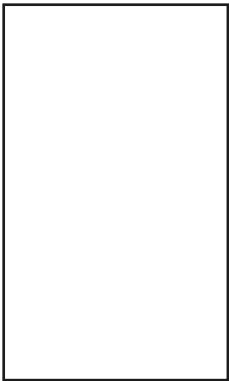


- 2) A composite rectilinear shape has a perimeter of 220cm. Draw two different composite shapes (not to exact measurements) which would have a perimeter of 220cm.





3) Measure the following shapes. Combine the shapes to make a composite rectilinear shape. What is the largest perimeter you can make using each original shape no more than twice?



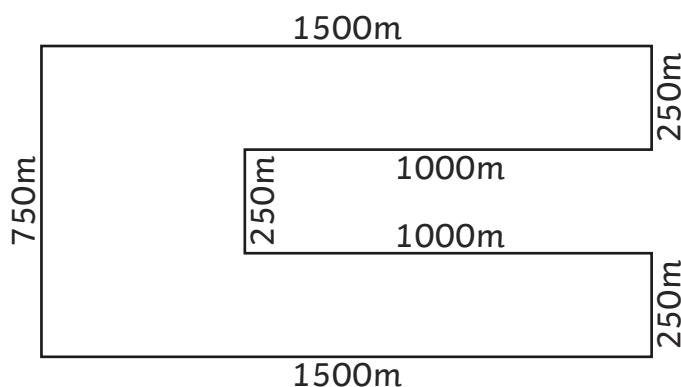
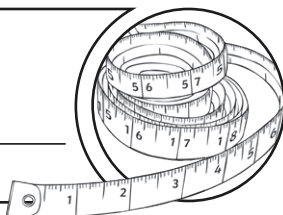


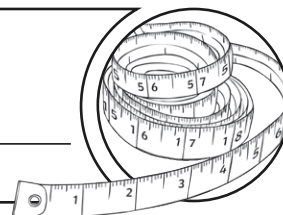
Calculating Perimeter of Composite Rectilinear Shapes **Answers**

Question	Answer
1.	Add together the measurements of the sides to calculate the perimeter of these shapes:
a	480cm
b	112m
2.	A composite rectilinear shape has a perimeter of 220cm. Draw two different composite shapes (not to exact measurements) which would have a perimeter of 220cm.
	Two different shapes drawn (not exact measurements) which would have a perimeter of 220cm.
3.	Measure the following shapes. Combine the shapes to make a composite rectilinear shape. What is the largest perimeter you can make using each original shape no more than twice?
	Multiple answers possible. A composite rectilinear shape drawn with no more than four rectangles.



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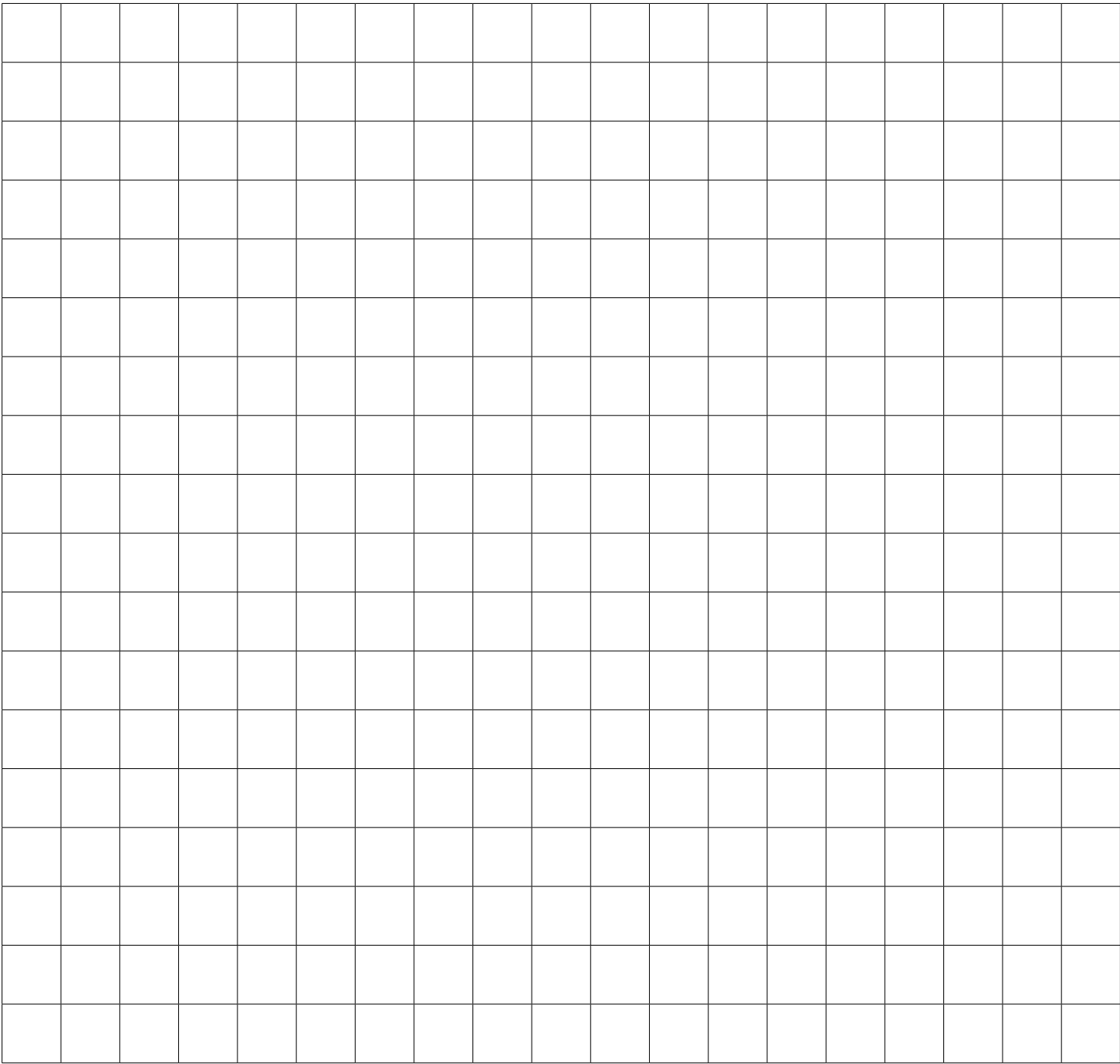
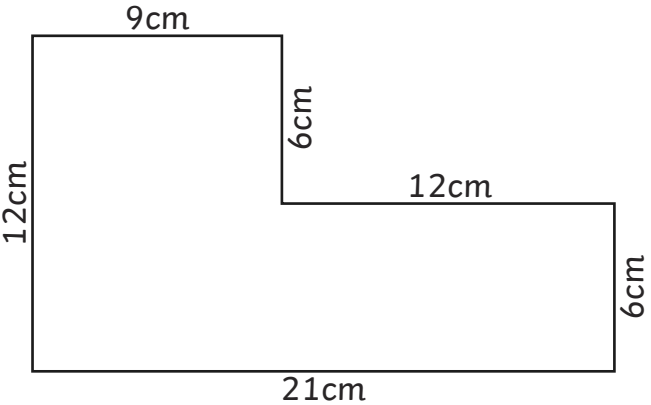
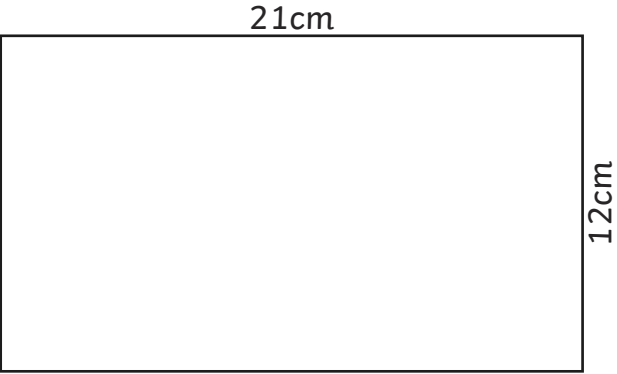


- 2) A composite rectilinear shape has a perimeter of 250cm. Draw two different composite shapes (not to exact measurements) which would have a perimeter of 250cm.

[illegible]



3) Calculate the perimeter of these two shapes. Write a sentence to show what you notice and why you think this is so. Test this with other pairs of similar shapes.





Calculating Perimeter of Composite Rectilinear Shapes **Answers**

Question	Answer
1.	Add together the measurements of the sides to calculate the perimeter of these shapes:
a	180cm
b	6500m
2.	A composite rectilinear shape has a perimeter of 250cm. Draw two different composite shapes (not to exact measurements) which would have a perimeter of 250cm.
	Two different composite shapes drawn (not exact measurements) which have a perimeter of 250cm.
3.	Calculate the perimeter of these two shapes. Write a sentence to show what you notice and why you think this is so. Test this with other pairs of similar shapes.
	Both shapes have a perimeter of 66cm. Answer shows that the horizontal sides (9cm and 12cm) are the same length as the length of the rectangle and the vertical sides (6cm and 6cm) are the same as the width of the rectangle. Children draw another pair of shapes to prove this is correct.