



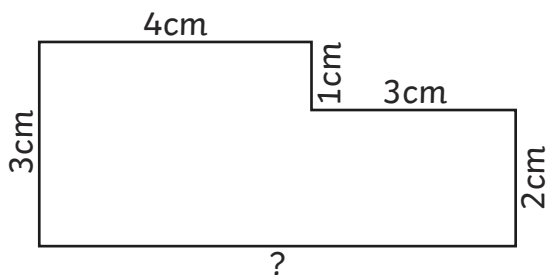
Calculating Perimeter of Shapes with Unknown Sides

I can calculate unknown sides to work out the perimeter of composite shapes.



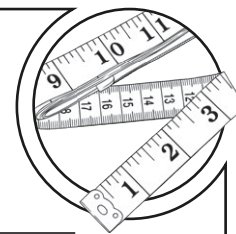
- 1) Calculate the perimeter of these shapes.
First, calculate the length of the unknown side.

a)

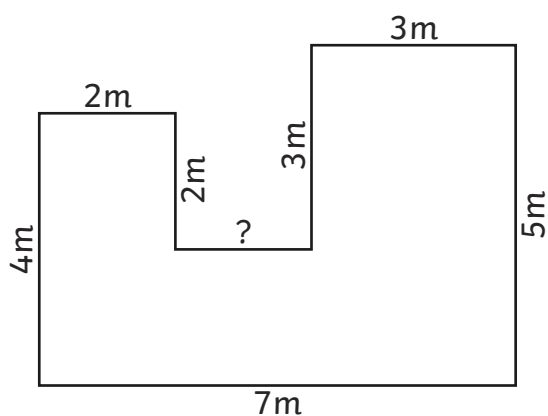


Unknown side:

Perimeter:

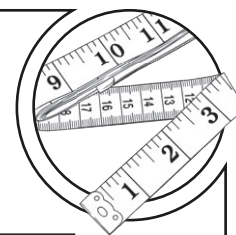


b)

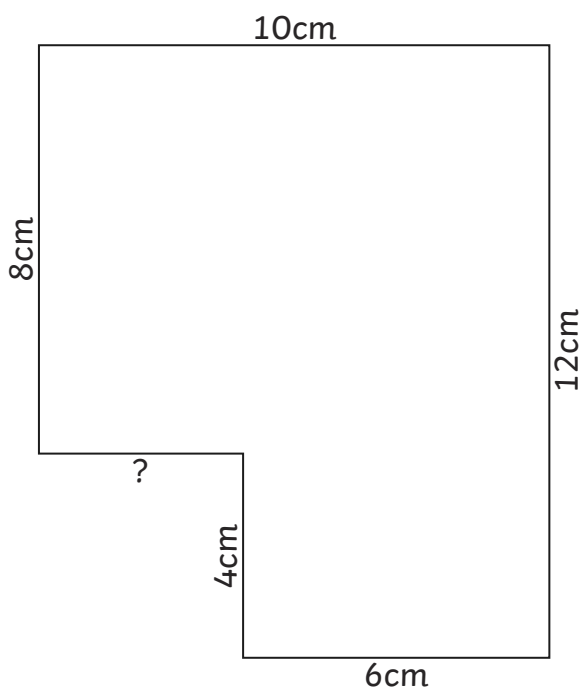


Unknown side:

Perimeter:

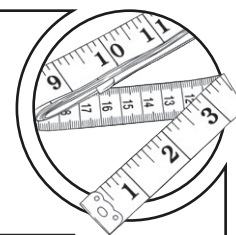


c)



Unknown side:

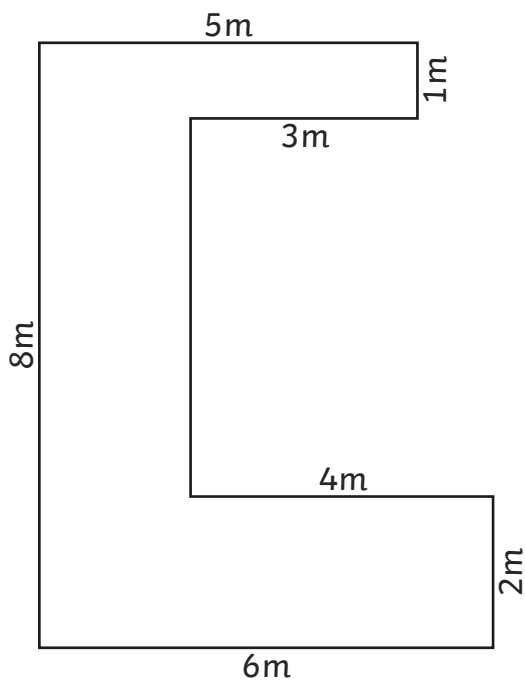
Perimeter:





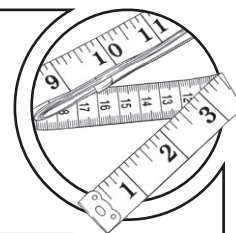
- 2) Calculate the perimeter of these shapes.
The unknown sides are not marked.

a)

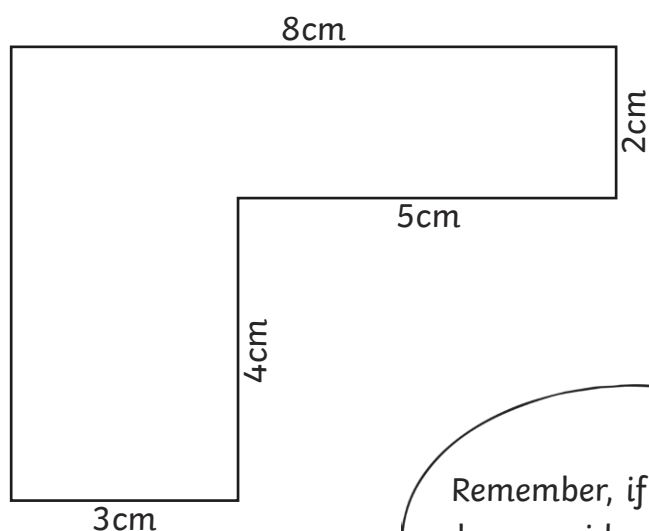


Unknown side:

Perimeter:

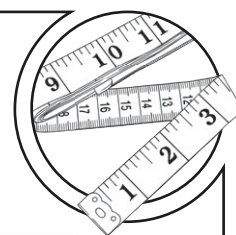


b)



Unknown side:

Perimeter:



Remember, if there is an unknown side measurement, calculate that first.





Calculating Perimeter of Shapes with Unknown Sides **Answers**

Question	Answer
1.	Calculate the perimeter of these shapes. First, calculate the length of the unknown side.
a	Unknown side: 7cm Perimeter: 20cm
b	Unknown side: 2m Perimeter: 28m
c	Unknown side: 4cm Perimeter: 44cm
2.	Calculate the perimeter of these shapes. The unknown sides are not marked.
a	Unknown side: 5m Perimeter: 34m
b	Unknown side: 6cm Perimeter: 28cm

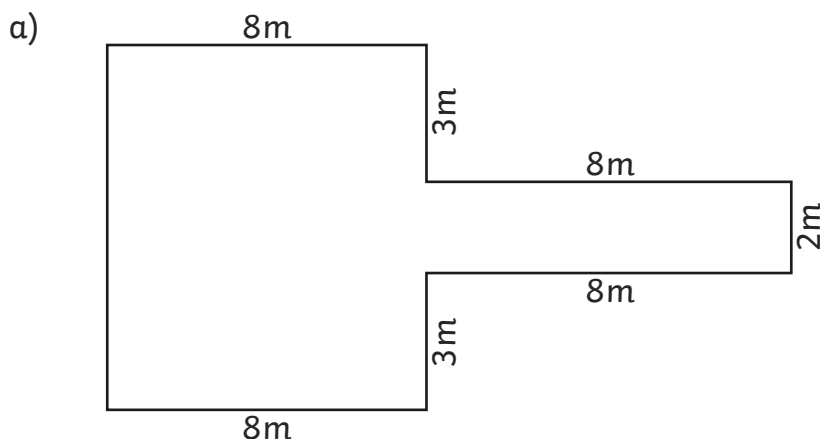


Calculating Perimeter of Shapes with Unknown Sides

I can calculate unknown sides to work out the perimeter of composite shapes.

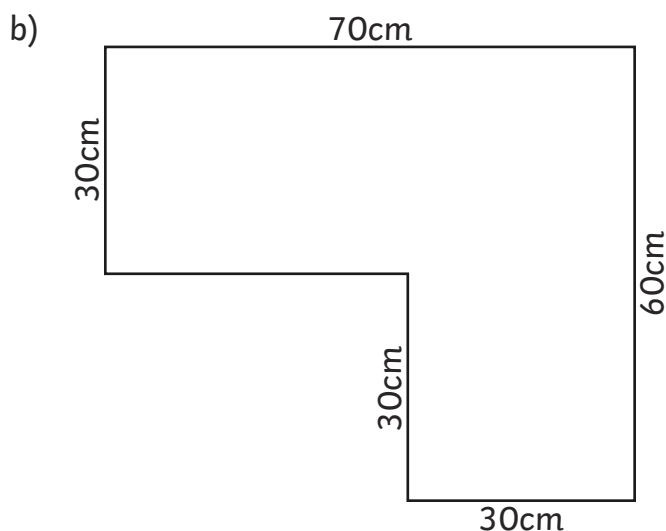
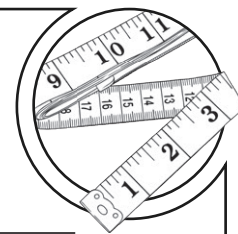


- 1) Calculate the perimeter of these shapes.
First, calculate the length of the unknown side.



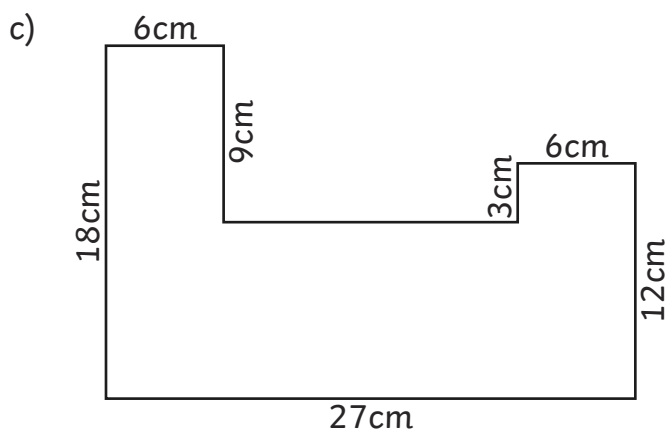
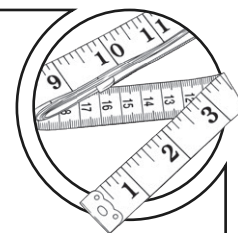
Unknown side:

Perimeter:



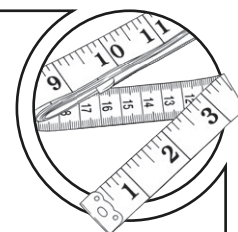
Unknown side:

Perimeter:



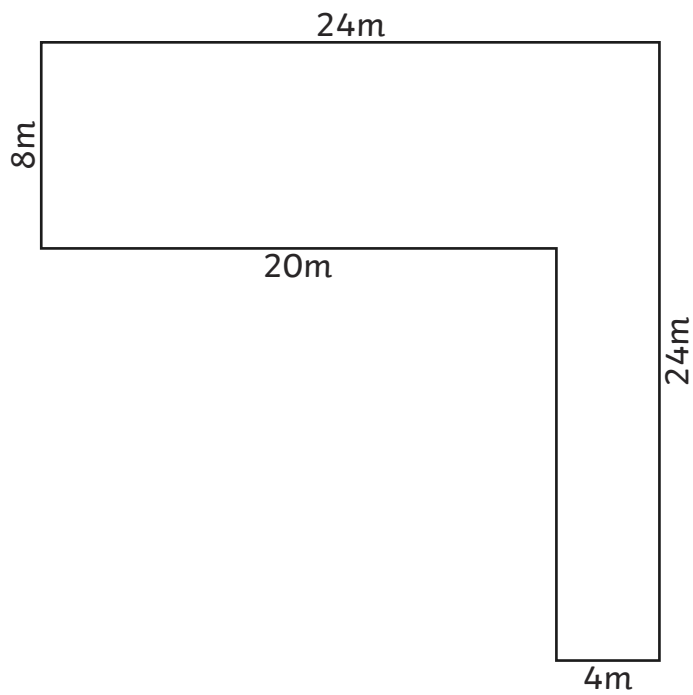
Unknown side:

Perimeter:



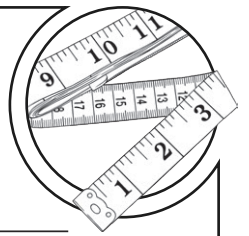


d)

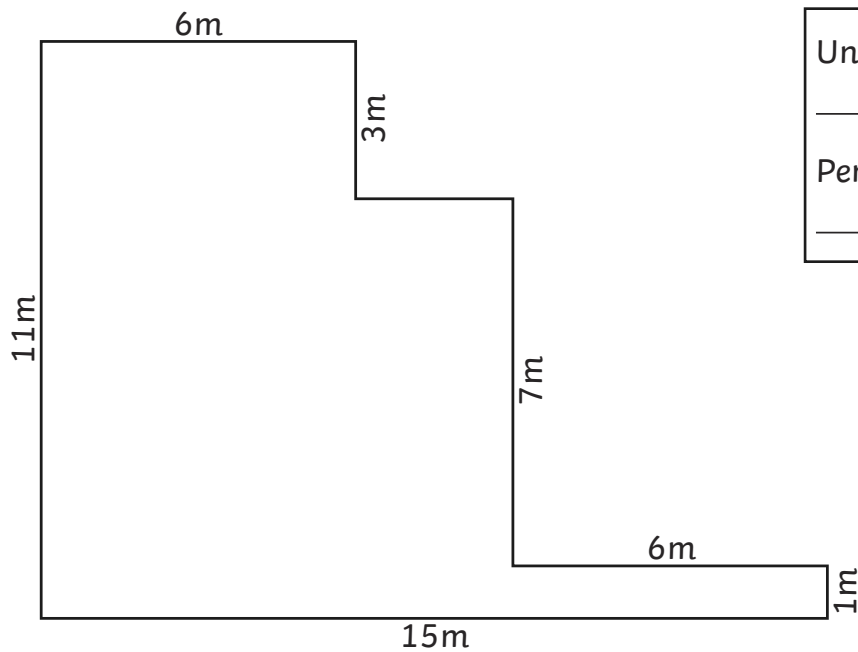


Unknown side:

Perimeter:

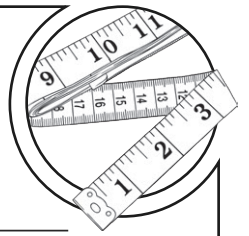


e)



Unknown side:

Perimeter:



Remember, if there is an unknown side measurement, calculate that first.





Calculating Perimeter of Shapes with Unknown Sides **Answers**

Question	Answer
1.	Calculate the perimeter of these shapes. First, calculate the length of the unknown side.
a	Unknown side: 8m Perimeter: 48m
b	Unknown side: 40cm Perimeter: 260cm
c	Unknown side: 15cm Perimeter: 96cm
d	Unknown side: 16m Perimeter: 96m
e	Unknown side: 3m Perimeter: 52m



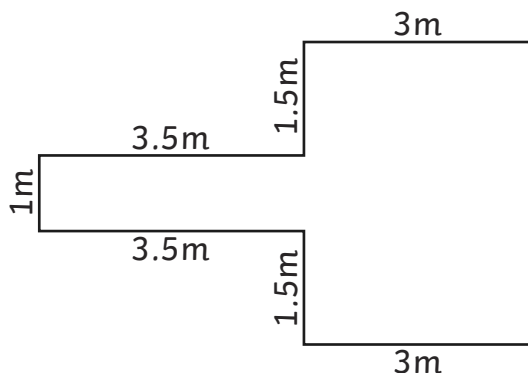
Calculating Perimeter of Shapes with Unknown Sides

I can calculate unknown sides to work out the perimeter of composite shapes.



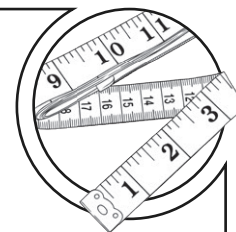
- 1) Calculate the perimeter of these shapes.
First, calculate the length of the unknown side.

a)

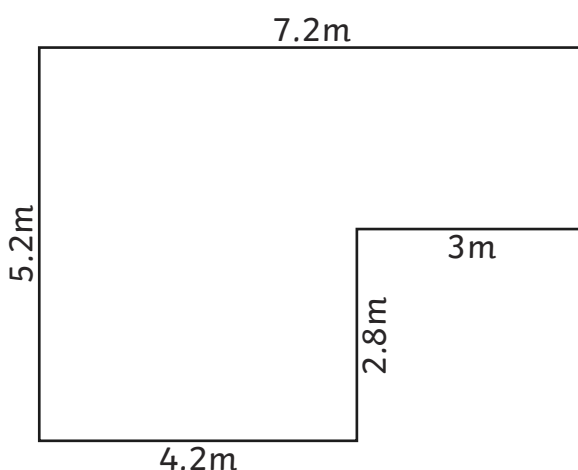


Unknown side:

Perimeter:

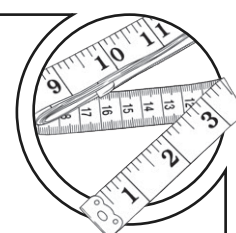


b)

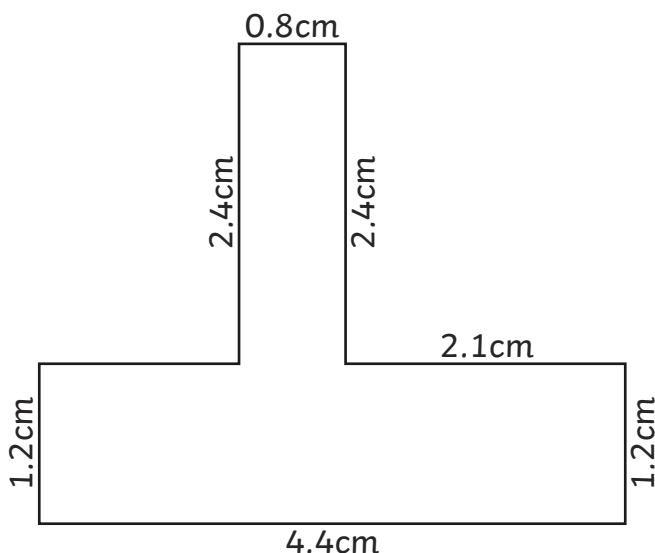


Unknown side:

Perimeter:

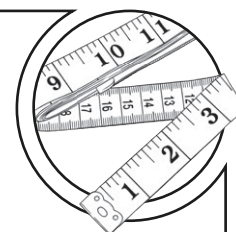


c)



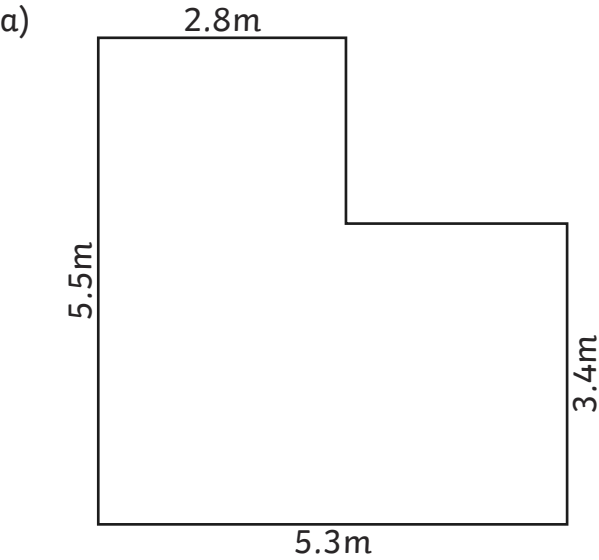
Unknown side:

Perimeter:



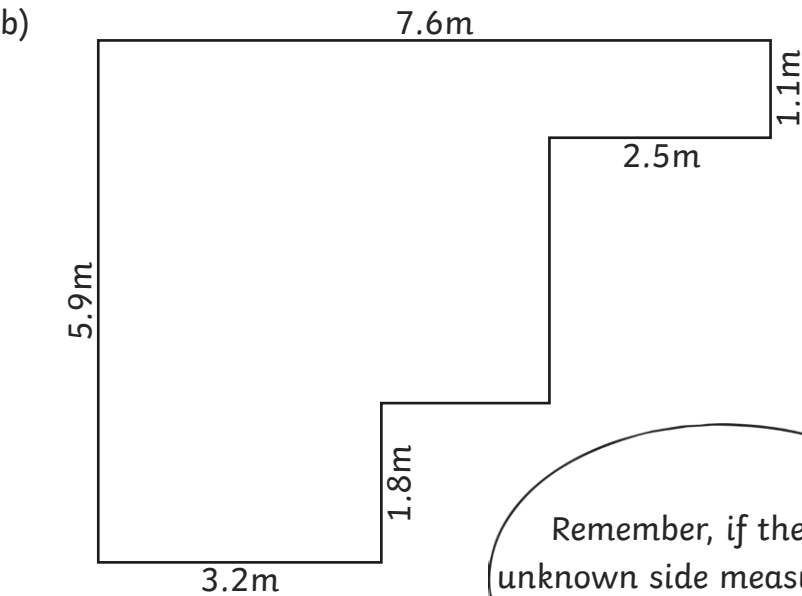


2) Calculate the perimeter of these shapes.
There is more than one unknown side.



Unknown sides:

Perimeter:



Unknown sides:

Perimeter:

Remember, if there are
unknown side measurements,
calculate them first.





Calculating Perimeter of Shapes with Unknown Sides **Answers**

Question	Answer
1.	Calculate the perimeter of these shapes. First, calculate the length of the unknown side.
a	Unknown side: 4m Perimeter: 21m
b	Unknown side: 2.4m Perimeter: 24.8m
c	Unknown side: 1.5cm Perimeter: 16cm
2.	Calculate the perimeter of these shapes. There is more than one unknown side.
a	Unknown sides: 2.5m and 2.1m Perimeter: 21.6m
b	Unknown sides: 3m and 1.9m Perimeter: 27m