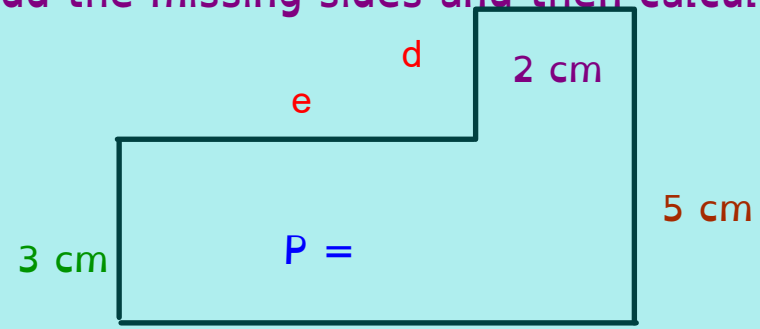
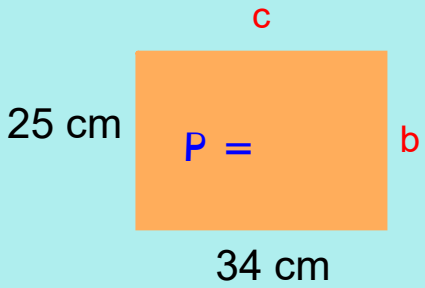
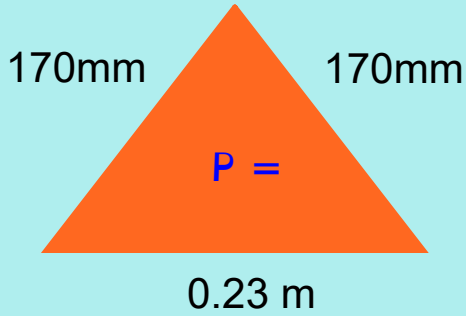
STARTER: I can calculate the perimeter of different shapes and find missing sides.

Add the missing sides and then calculate the perimeter.



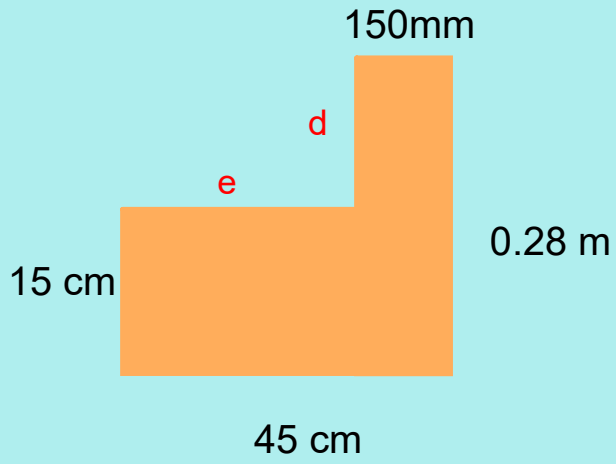




STARTER: I can calculate the perimeter of different shapes and find missing sides.

True of false? The perimeter of the shapes is 146cm.

Also, add the missing sides.

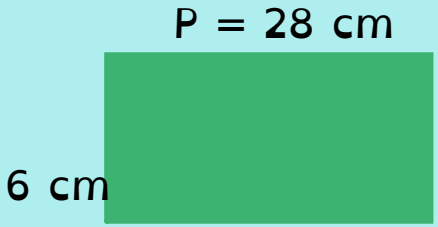


Sentence-Stems:
I agree/disagree, because the perimeter of the shape is ...
To solve the question, I had to ...

Keywords: measure, perimeter, sides, opposite, angles, complex, area, ruler, measuring tape, metre stick, millimetre, centimetre, metre, kilometre, length, width, ...

I can find unknown lengths.

How could I find the unknown lengths? Is there more than one answer?



Sentence-Stems:

- I already know that ..., because ...
- To find the last unknown length, I need to ..., because ...

Keywords:

measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...

I can find unknown lengths.

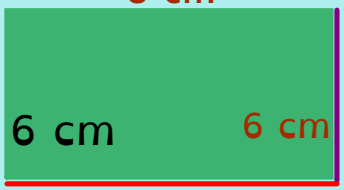
I know that ...

- this is a rectangle -> opposite sides are of the same length
- to calculate the perimeter, I add length and width and then double my sum,

My steps are now:

1. Divide the perimeter by 2.
2. Subtract the length of the known side.

P = 28 cm



1. 28 cm ÷ 2 = 14 cm
2. 14 cm - 6 cm = 8 cm

Sentence-Stems:

- I already know that ..., because ...
- To find the last unknown length, I need to ..., because ...

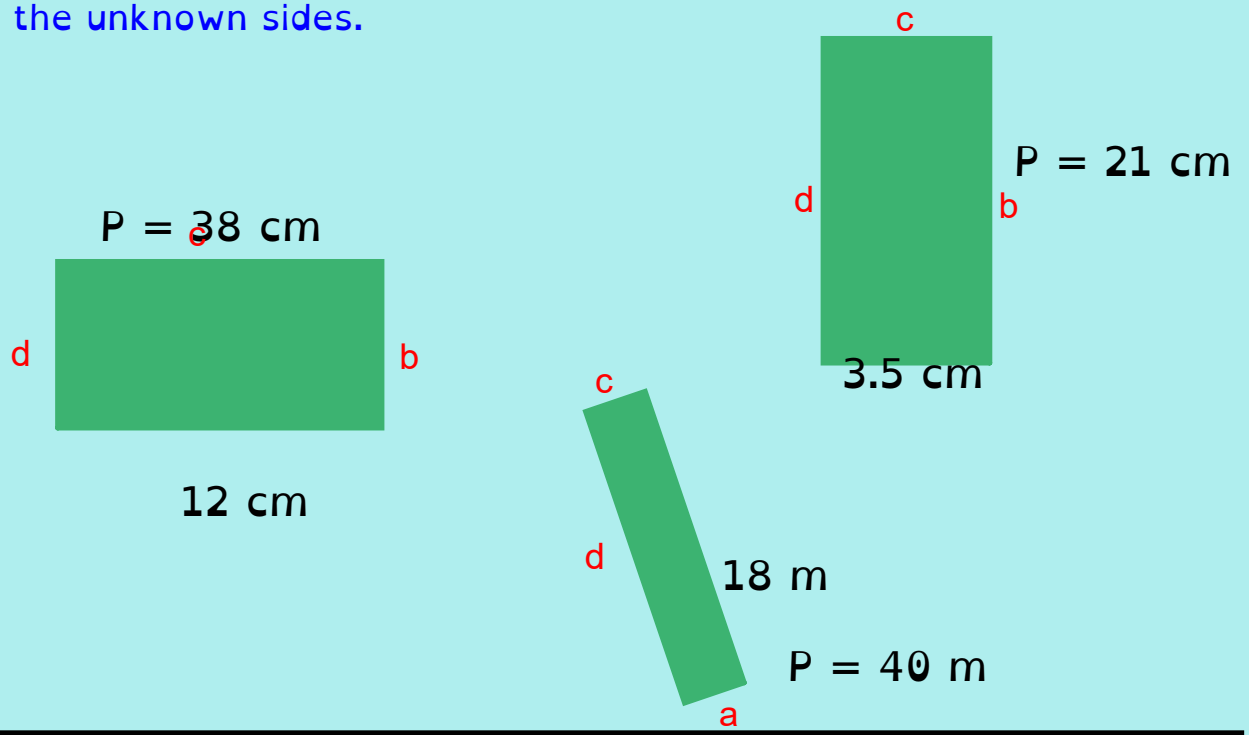
Keywords:

measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...

I can find unknown lengths.

My steps are now:
1. Divide the perimeter by 2.
2. Subtract the length of the known side.

Find the unknown sides.



Sentence-Stems:

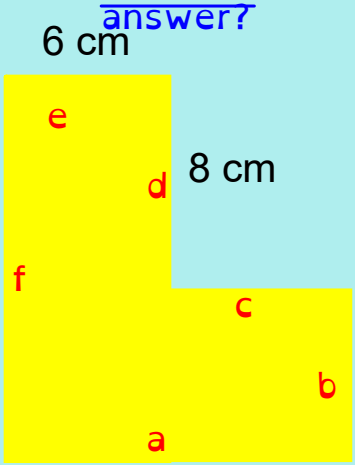
- I already know that ..., because ...
- To find the last unknown length, I need to ..., because ...

Keywords:

measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...

I can find unknown lengths.

How could I find the unknown lengths? Is there more than one answer?



P = 52 cm

Sentence-Stems:

- I already know that ..., because ...
- To find the unknown lengths, I need to ..., because ...

Keywords:

measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...

I can find unknown lengths.

I know that ...

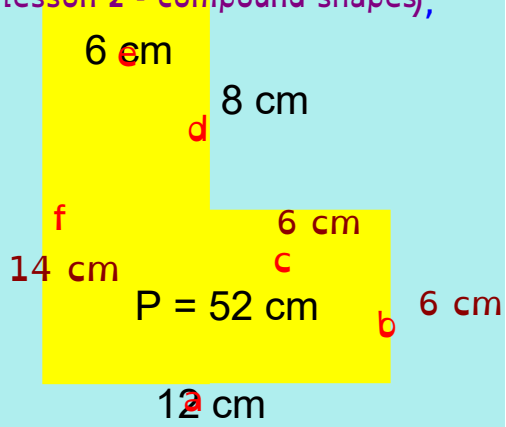
- this is a regular shape -> adjacent section add to the same length as the opposite side,

  b + d = f also a = c + e

- the perimeter is the sum of all sides,
- I could treat it like a regular rectangle (-> lesson 2 - compound shapes);

My steps are now:

1. Find c: a - e (12 cm - 6 cm = 6 cm)
2. Find f: Perimeter ÷ 2, then subtract a
   (52 cm ÷ 2 cm = 26 cm
   -> 26 cm - 12 cm = 14 cm)
3. Find b: f - d (14 cm - 8 cm = 6 cm)



Sentence-Stems:

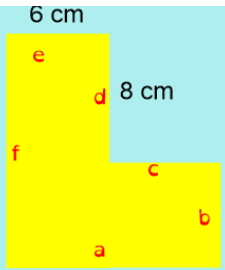
- I already know that ..., because ...
- To find the unknown lengths, I need to ..., because ...

Keywords:

measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...

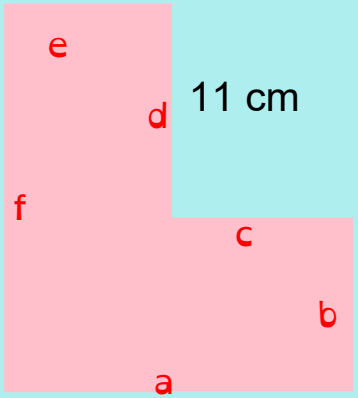
I can find unknown lengths.

My steps are now:
1. Find c: a - e
2. Find f: Perimeter ÷ 2, then subtract a,
3. Find b: f - d



P = 52 cm

Find the unknown lengths?



P = 80 cm

Sentence-Stems:

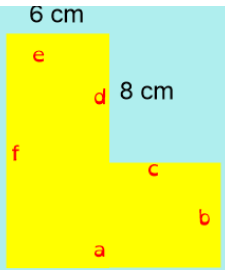
- I already know that ..., because ...
- To find the unknown lengths, I need to ..., because ...

Keywords:

measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...

I can find unknown lengths.

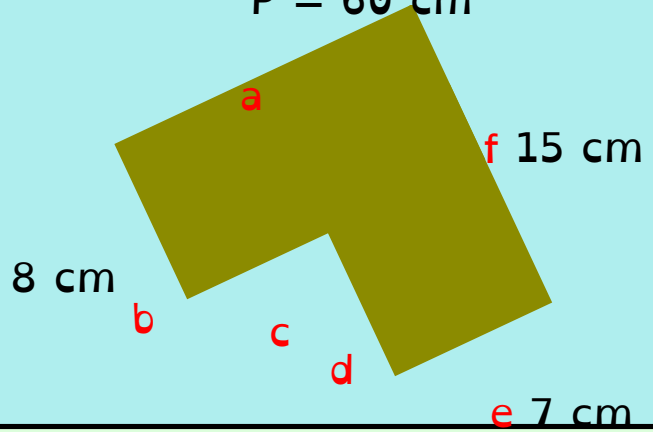
My steps are now:
1. Find c: a - e
2. Find f: Perimeter ÷ 2, then subtract a,
3. Find b: f - d



P = 52 cm

Agree or disagree? Explain how you know.

P = 60 cm



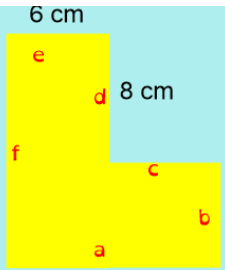
Tom, 'I know that the unknown length a is 15 cm, c is 8 cm and d is 7 cm.

Sentence-Stems:
- I agree/disagree, because ...
- I already know that ..., because ...
- To find the unknown lengths, I need to ..., because ...

Keywords:
measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...

I can find unknown lengths.

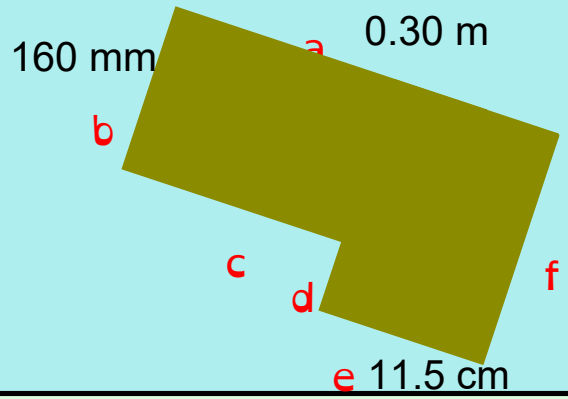
My steps are now:
1. Find c: a - e
2. Find f: Perimeter ÷ 2, then subtract a,
3. Find b: f - d



P = 52 cm

Agree or disagree? Explain how you know.

P = 1 m



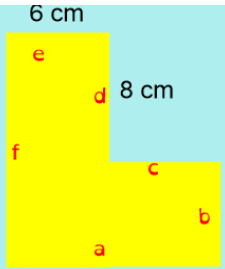
Aella says, "I know that the unknown length d is 4 cm, c is 185 mm and f is 20 cm.

Sentence-Stems:
- I agree/disagree, because ...
- I already know that ..., because ...
- To find the unknown lengths, I need to ..., because ...

Keywords:
measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...

I can find unknown lengths.

My steps are now:
1. Find c: a - e
2. Find f: Perimeter ÷ 2, then subtract a,
3. Find b: f - d

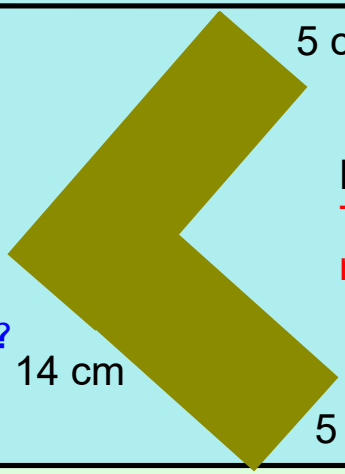


P = 52 cm

Task: Complete the tasks from your sheet in your book.

Challenge

Find the missing sides and explain how you know.
What answers can you find?
Submit it on Class-Dojo.



P = _____ cm
The perimeter is a multiple of 5.

Sentence-Stems:
- I agree/disagree, because ...
- I already know that ..., because ...
- To find the unknown lengths, I need to ..., because ...

Keywords:
measure, millimetre, centimetre, metre, kilometre, length, width, depth, perimeter, area, volume, ruler, measuring tape, metre stick ...