1) Find the missing side lengths and calculate the perimeter of these rectilinear shapes.
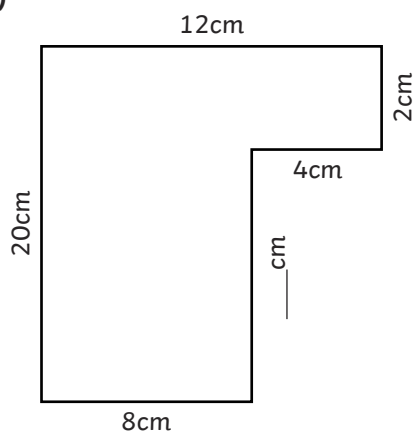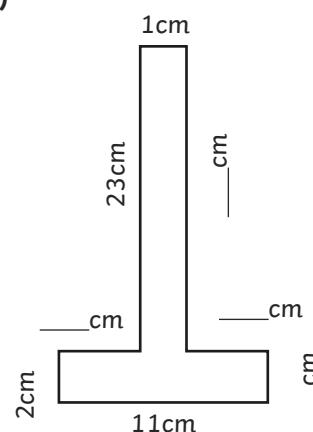
a)

12cm

2cm

4cm

20cm

____cm

8cm

Perimeter =_____

b)

5cm

1cm

4cm

____cm

10cm

1cm

Perimeter =_____

c)

1cm

23cm

____cm

____cm

____cm

2cm

11cm

____cm

Perimeter =_____

d)

40cm

____cm

____cm

30cm

20cm

10cm

____cm

40cm

Perimeter =_____

e)

42cm

26cm

50cm

____cm

42cm

____cm

8cm

____cm
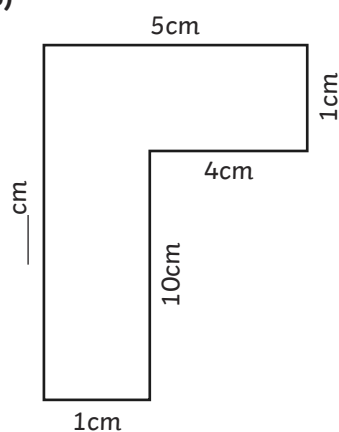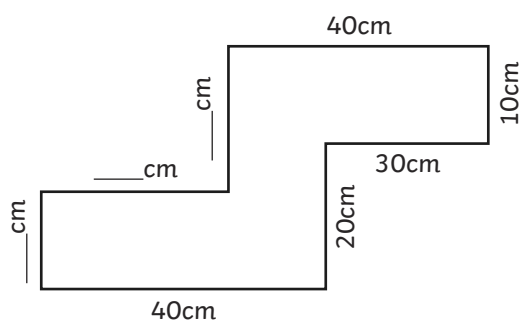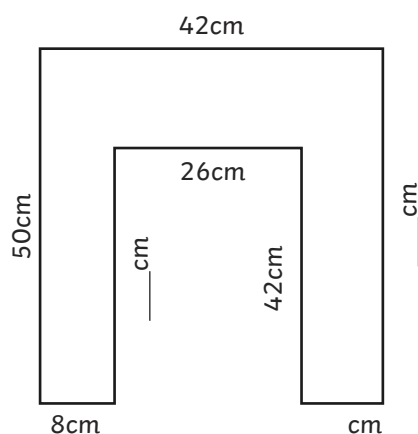
Perimeter =_____

2) Draw three different rectilinear shapes that have a perimeter of 20cm.
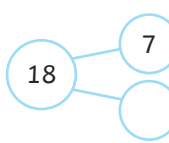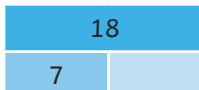
1) Carlos wants to calculate the perimeter of this rectilinear shape but it has a measurement missing from one of its sides. His friends have suggested different ways of finding the missing side. Which strategies will work? Explain your reasoning.
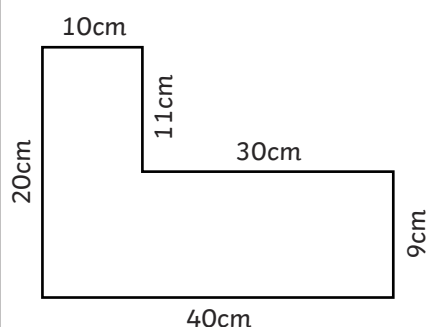
7cm

4cm

12cm

?

8cm

18cm

Ali

7 + _____ = 18

Amy

18 – 7 = _____

Erica

18	
7	

Fran
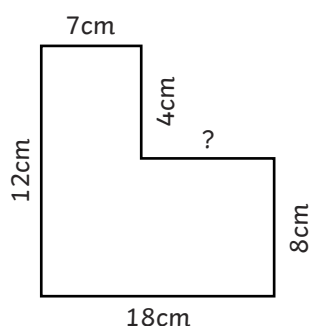
18   7

_____

_____

_____

2) Solange has worked out the perimeter of this rectilinear shape. Can you explain her mistake and find the correct answer?

10cm

11cm

30cm

20cm

40cm

9cm

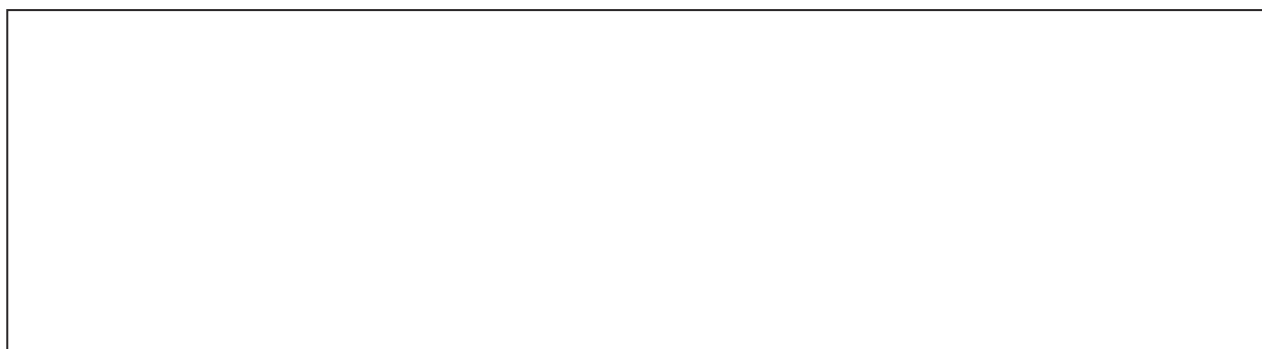|	4	0		
	2	0		
	1	0		
	1	1		
+	3	0		
1	1	1	c	m

_____

_____

_____

_____

_____

1) **a)** Draw a rectilinear shape that has a perimeter of 32cm. The shape must only be made up of two rectangles.

Find three possible solutions.

b) Find a fourth possibility that uses three or more rectangles.

2) Look at the shape below. It has been created using four rectangles, each with a width of 4cm. The length of each rectangle is 6 times the width. What is the perimeter of the square inside?

4cm

4cm

4cm

4cm