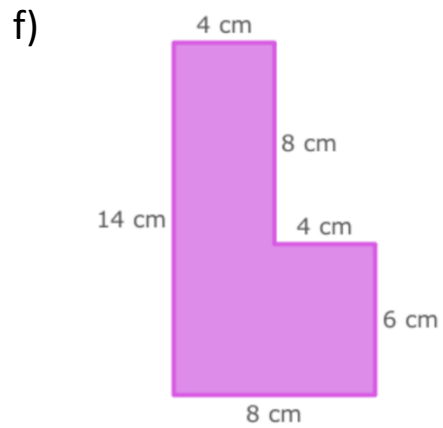
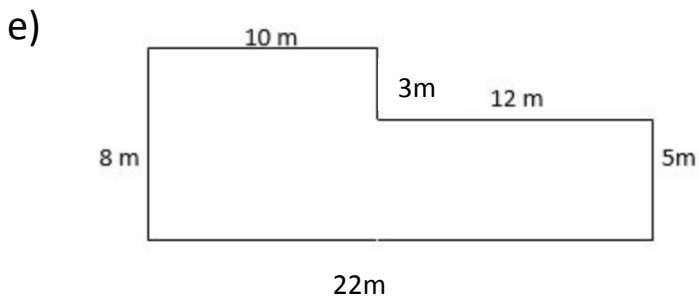
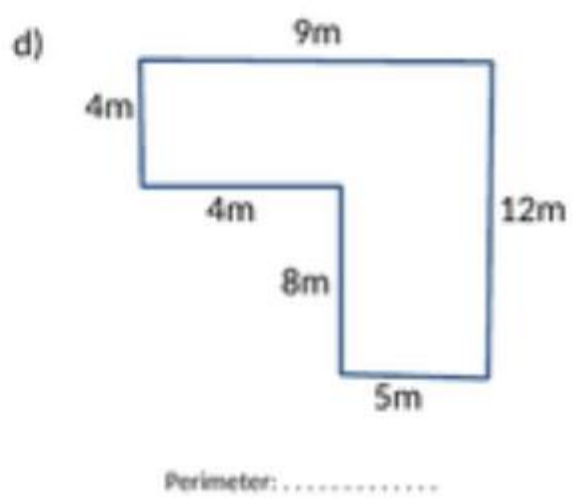
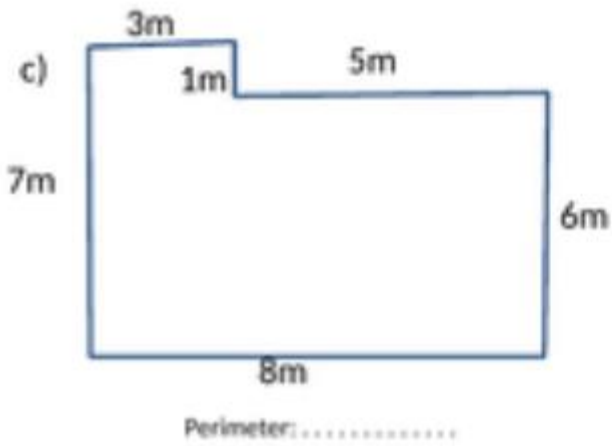
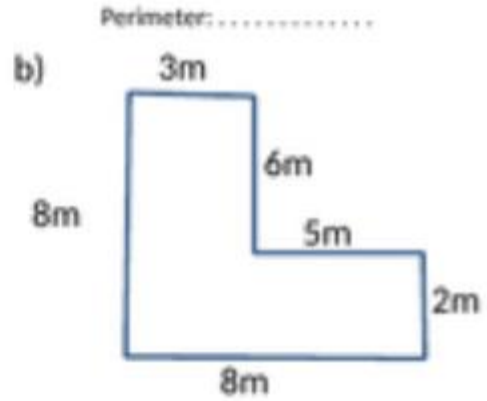
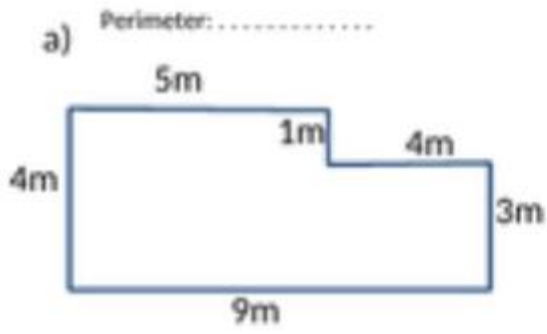


# Rectilinear Perimeter Problems

Calculate the perimeter of each shape:



## Fun Challenge

I would now like you to create your own rectilinear shapes at home. Remember that these shapes are also known as compound rectilinear shapes because you use two or more rectangles to make one shape (watch video for example). I would like you to make the shape and then measure the sides (to the nearest cm).

What do you notice?

Did all the measurements, when added up, for each opposing side equal the same?

If not then you may need to check your measurements.

I have provided an example for you:



Here the long side = 20cm and this is equal to the opposite side once all the measurements have been added  $9\text{cm} + 11\text{cm} = 20\text{cm}$ . The same should be true for the other opposing sides, with the long side = 15cm and the opposing measurements when added together should be the same,  $9\text{cm} + 6\text{cm} = 15\text{cm}$ .

My total perimeter =

$$20+9+9+6+11+15 = 60\text{cm}$$

Have fun creating your compound rectilinear shapes!

## Answers

a. 26m

b. 32m

c. 30m

d. 42m

e. 60m

f. 44cm