

## Can I calculate perimeter? (Y3)

### Reasoning and problem solving

This page does not need to be printed. In your book, write the short date you do the work and the above question, underlining them neatly with a ruler.

1) Teddy says,



You only need to know the length of one side of these 2-D shapes to work out the perimeter.



Do you agree with Teddy?  
Explain your answer.

2)



Each side of this shape is of equal length.  
The perimeter is 60 cm.  
How long is each side?

3) How many different rectangles can you draw with a perimeter of 20 cm?

Answers are on the next page.

# Calculate Perimeter

## Reasoning and Problem Solving

Teddy says,



You only need to know the length of one side of these 2-D shapes to work out the perimeter.



Do you agree with Teddy?  
Explain your answer.

You only need to know the length of one side for the square and the pentagon as all the sides are the same.

However, Teddy is wrong because for the rectangle you need to know two lengths and for the triangle you need to know all of them.



Each side of this shape is of equal length.  
The perimeter is 60 cm.  
How long is each side?

The shape has 10 sides so the length of each side is 6 cm

How many different rectangles can you draw with a perimeter of 20 cm?

There are 5 different rectangles.

1 cm by 9 cm  
2 cm by 8 cm  
3 cm by 7 cm  
4 cm by 6 cm  
5 cm by 5 cm