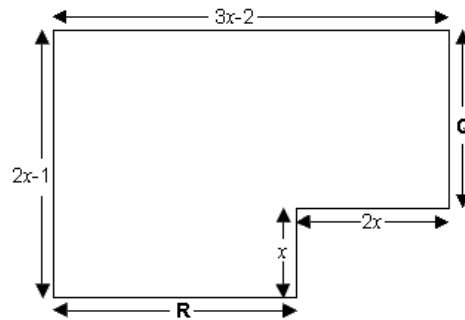


# Working out perimeters

This task is about using algebraic expressions to find lengths of a shape.



a) Write an expression, in its simplest form, for the length of

i) side Q:

ii) side R:

b) i) Write an expression that would allow you to find the length of the perimeter around the shape.

ii) Simplify your expression.

c) Use your expression in b) ii) to find the value of  $x$  for a perimeter of 104cm.  
Show all your working in your calculation.