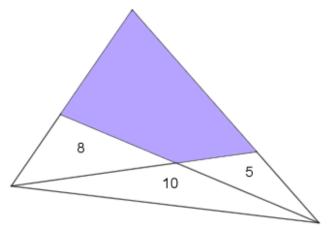
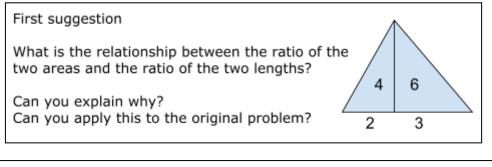


In the diagram below (which is not drawn to scale), the area of the three triangular regions is given.



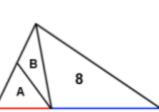
Can you work out the area of the shaded quadrilateral?

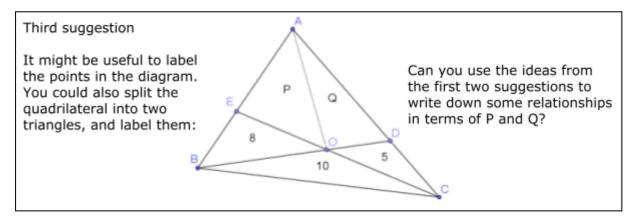
Perhaps it feels as though there isn't enough information to solve this problem! If you are stuck, have a look at the suggestions below.



Second suggestion

The red line (the base of the triangle with area A) is half the length of the blue line (the base of the triangle with area 8). What can you say about A+B ?





http://nrich.maths.org/309 © University of Cambridge