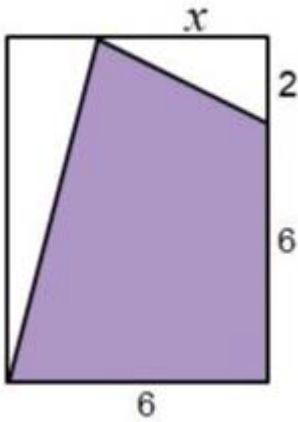


USE AREA TO FIND x



Three quarters of the area of the rectangle has been shaded.
What is the value of x ?

Help

What is the total area of the rectangle?

What fraction of the rectangle is shaded (read the question)?

What fraction of the rectangle is unshaded?

Find the areas of the two unshaded (white) triangles in terms of the unknown x ?

Can you use this information to find x ?

If not, read the question again carefully. If you keep trying you will be able to work out the value of x .

Extension

Calculate the area of the quadrilateral shaded purple in the diagram.

Make up a similar question and exchange your puzzle with a friend so you try to solve each other's puzzles.