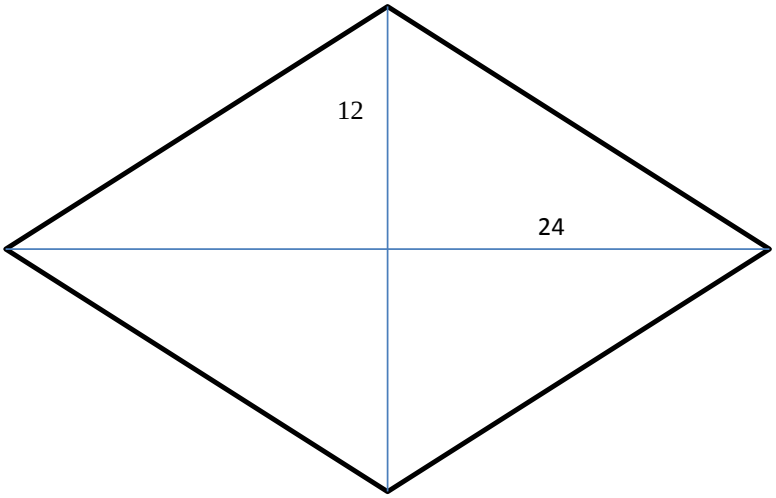
Molly finds two sticks and wants to build a kite for her little brother. The sticks are 12 inches and 24 inches long, and she plans on using them as the diagonals of the kite. Molly will need a minimum of _____ square inches of fabric to make the kite



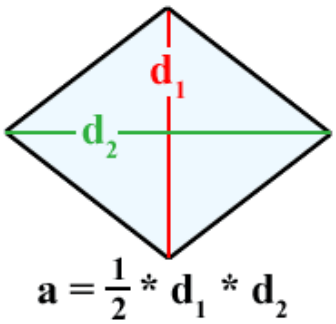
When you know the lengths of the diagonals, the area of a rhombus is half the product of the diagonals. As a formula:

$$A = d_1 d_2$$

where

d_1 is the length of a diagonal

d_2 is the length of the other diagonal



Therefore, area equals:

$$A = 12 * 24 = 288 \text{ square inches}$$

Answer: 288