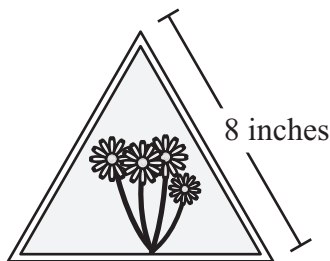**8** Kiesha is decorating her bedroom. She wants to put ribbon around the picture shown below.
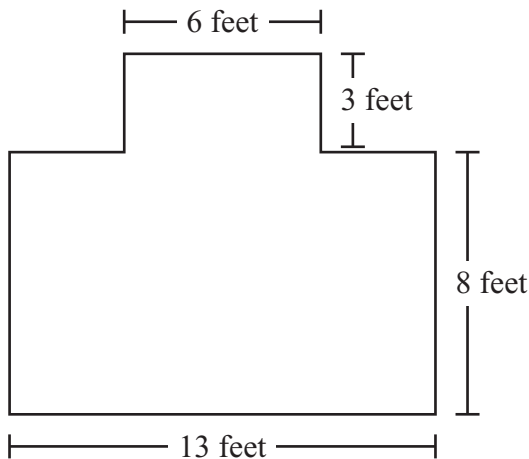

8 inches

The picture is in the shape of an equilateral triangle.

a. What is the perimeter, in inches, of the picture? Show or explain how you got your answer.

Kiesha plans to cover one wall of her bedroom with wallpaper. The wall is in the shape of a rectangle. The dimensions of the wall are 13 feet by 9 feet.

b. What is the **area**, in square feet, of the wall? Show or explain how you got your answer.

Kiesha plans to carpet the floor of her bedroom. A diagram of the floor is shown below.

6 feet

3 feet

8 feet

13 feet

c. What is the area, in square feet, of the floor? Show or explain how you got your answer.