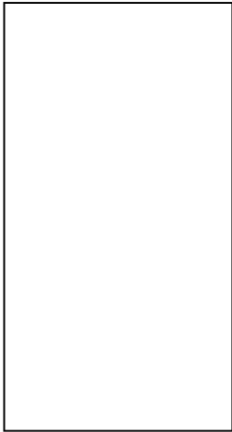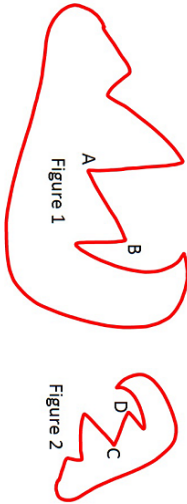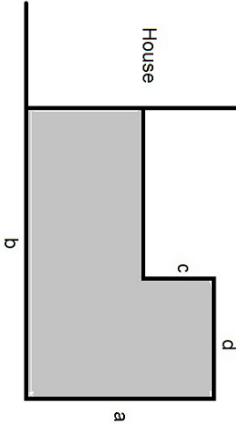# Perimeters

The two figures are similar. The length of side $\overline{AB}$ is 56 meters and the lenght of the corresponding side of $\overline{DC}$ is 31 meters. If the perimeter of figure 1 is 812.0 meters, what is the perimeter of figure 2 to the nearest tenth of a meter?
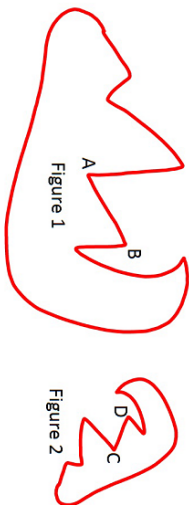

Figure 1

Figure 2

Your yard is fenced with 356 feet of wooden fence. Your buddy, Veronica, has a similar yard and would like to install the same fence. If the scale fator of your yard to Veronica's is 4:3, how much fence will she need to install to the nearest foot?
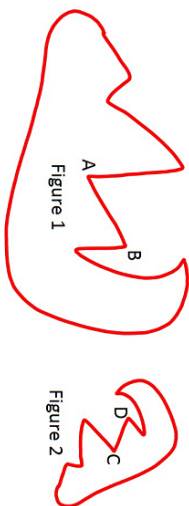
You are helping your buddy, Billy, build a deck in his back yard. Billy has made an outline of the deck and it is shaded gray. Every half an inch inch in the outline is one foot for the actual deck. The lengths, in inches, on the drawing are as follows; a = 8, b = 12, c = 3, and d = 5. If he installs railing around the perimeter except along the house, how many feet or railing will that be?

House

b

c

d

a

1

The two figures are similar. The perimeter of figure 1 is 251.6 feet, and the perimeter of figure 2 is 118.4 feet. If the length of side $\overline{CD}$ is 8 feet, what is the length of corresponding side $\overline{AB}$ to the nearest foot?

A
B
Figure 1

D
C
Figure 2

The two figures are similar. The length of side $\overline{AB}$ is 35 feet and the length of the corresponding side of $\overline{DC}$ is 14 feet. If the perimeter of figure 1 is 483.0 feet, what is the perimeter of figure 2 to the nearest tenth of a foot?

A
Figure 1
B

D
C
Figure 2

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Your yard is fenced with 343 feet of wooden fence. Your buddy, Johnny, has a similar yard and would like to install the same fence. If the scale fator of your yard to Johnny's is 5:4, how much fence will he need to install to the nearest foot?

You are helping your buddy, Susan, build a deck in her back yard. Susan has made an outline of the deck and it is shaded gray. Every half an inch in the outline is one foot for the actual deck. The lengths, in inches, on the drawing are as follows; a = 8, b = 12, c = 4, and d = 6. If she installs railing around the perimeter except along the house, how many feet or railing will that be?

House

b

c

d

a