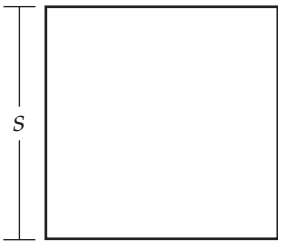
5 The square below has an area of 121 inches.



On the lines below, explain how to determine the length (s) of one side of the square without measuring.

Now use the method you described above to solve the problem. Write your answer on the line below.

Length _____ inches

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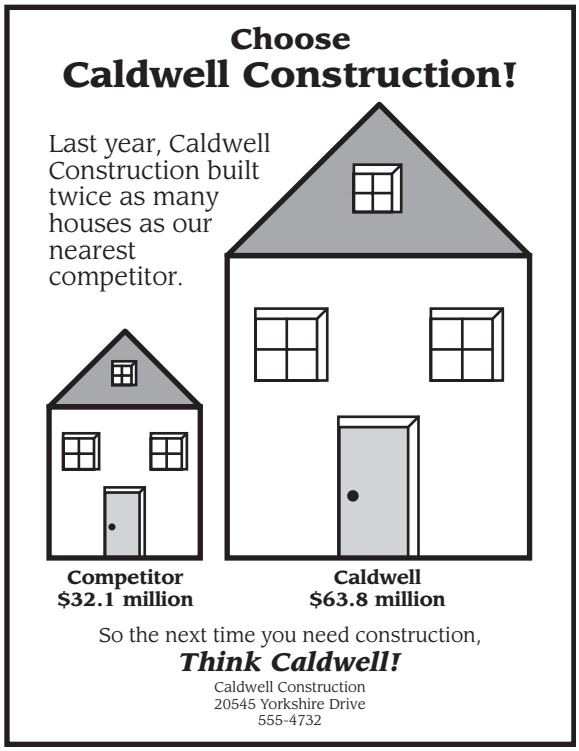
3 Use the centimeter side of your ruler to solve this problem.

Caldwell Construction placed this advertisement in the local newspaper.



In the advertisement, how many times bigger is the area of the Caldwell house than the area of the competitor's house?

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Answer _____ times bigger

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On the lines below, explain one way that the advertisement could be considered misleading.

_____

_____

_____

_____

_____

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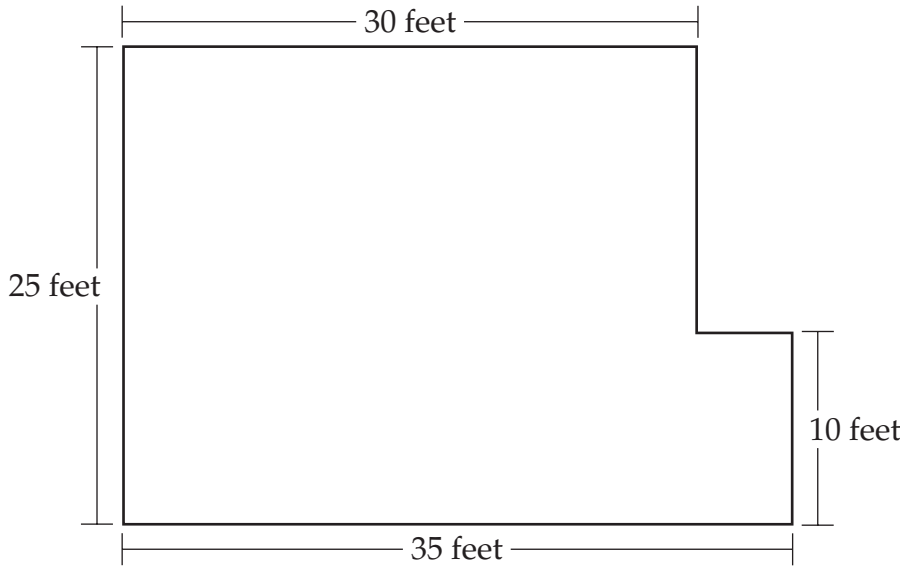
5 Ms. Hammett plans to have her front lawn resodded. The company she chose to do the work charges $2.50 per square foot of sod. A diagram of Ms. Hammett's front lawn is shown below.



Ms. Hammett persuaded the manager of the landscaping company to charge her only $1,700 for the sod. What is the percent discount that Ms. Hammett received on the sod?

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Answer _____ %

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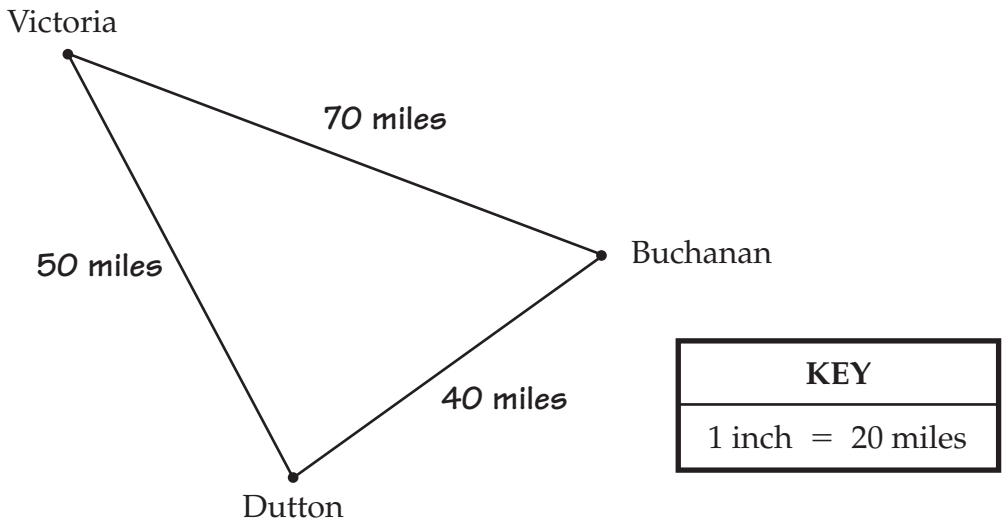
6 Use your ruler to solve this problem.

Lorena labeled the distances between the cities on the map below.



Lorena's calculation of the distance between Victoria and Buchanan is incorrect. What percent higher is Lorena's distance than the actual distance? Round your answer to the nearest percent.

Show All Work

Answer _____ %

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