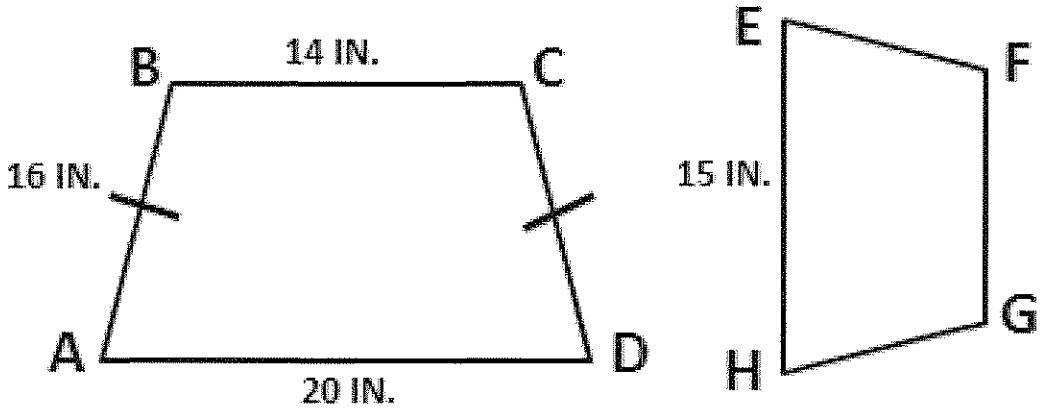
W 279

TRAPEZOID ABCD IS SIMILAR TO TRAPEZOID EFGH.



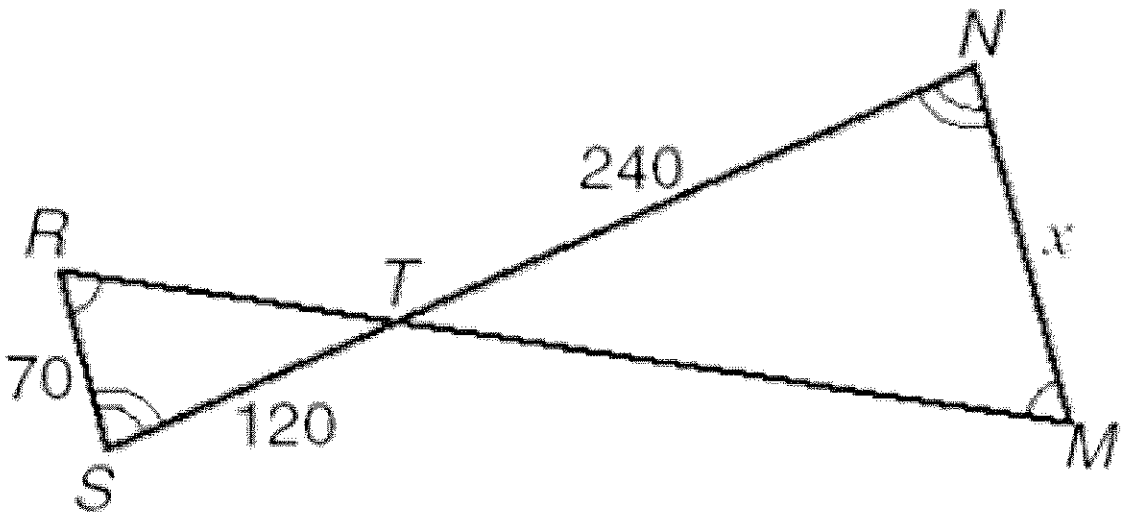
DETERMINE THE LENGTH OF $\overline{FG}$.

L 1.5

A statue that is 36 ft. tall casts a shadow that is 45 ft. tall. Find the length of the shadow that would be cast from a mailbox that is 4 ft. tall.

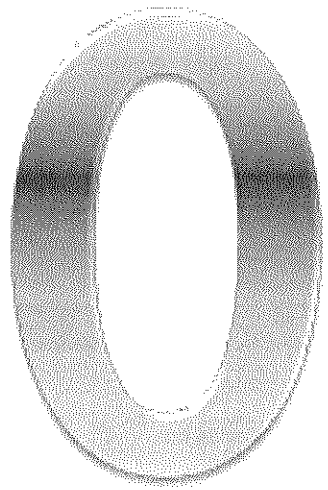
1.25

Determine the length of x.



1 0.75

Ann is typing a term paper. She can type at the rate of 42 words per minute. How many hours will it take her to type a 3,150 word paper?



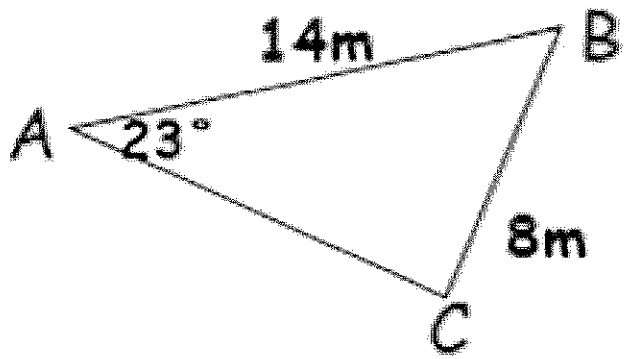
10.5 in.

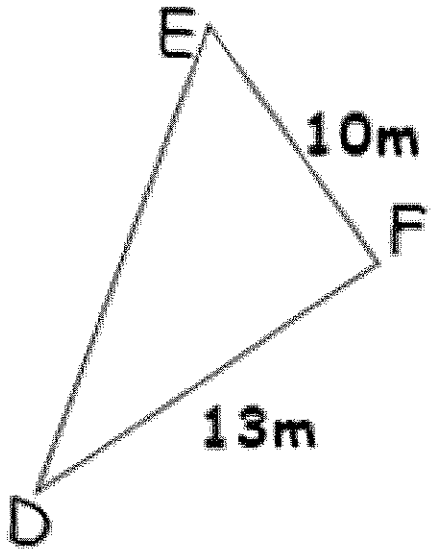
A recipe calls for 2 ¾ cups of oatmeal for 24 cookies. Melissa wants to make six dozen cookies. How many more cups of oatmeal will she need if she already has 4 ½ cups in the pantry?

R

5 Ft.

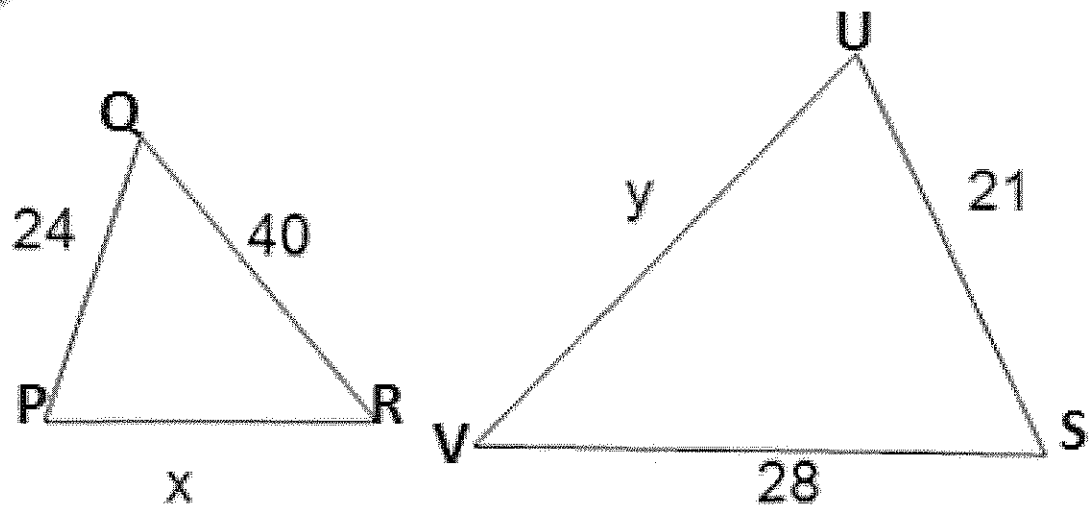
$\triangle ABC$ is similar to $\triangle DEF$.
Determine the length of $\overline{DE}$.





E 3.75

ΔPQR is similar to ΔSUV.



Find the length of y.

A

17.5 m

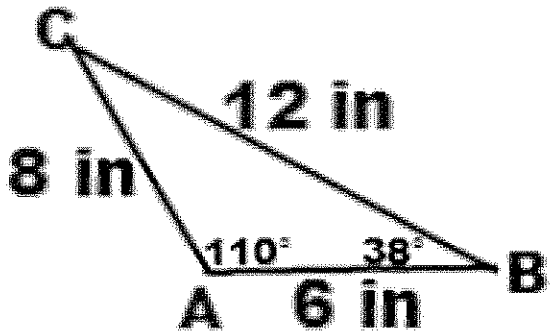
A blueprint on a house is 12cm wide. It was built with a scale of 3cm : 4m. How wide is the actual house?

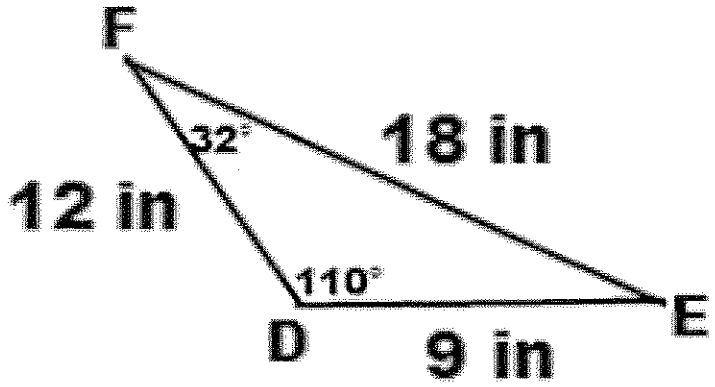
U 2.5

Galveston and Katy are 87 miles apart. How far apart would the two cities be on a map that has a scale of 5 in : 29 miles?

A 15 IN.

DETERMINE THE SCALE FACTOR USED IF ΔDEF IS A DILATION OF ΔABC.



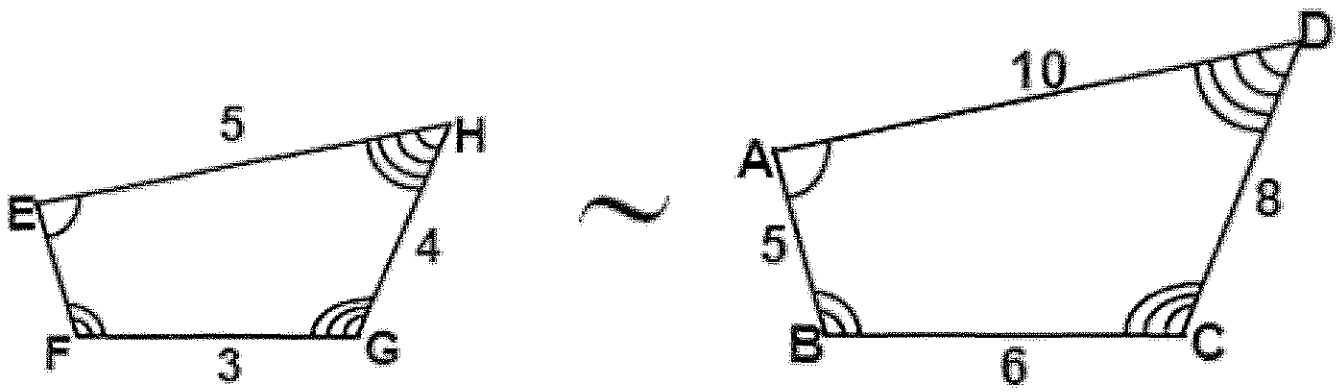


T 15 Ft.

Reginald is a star on his High School basketball team. Last year he scored 186 points in 16 games. How many points should he score this year if he plays in 24 games?

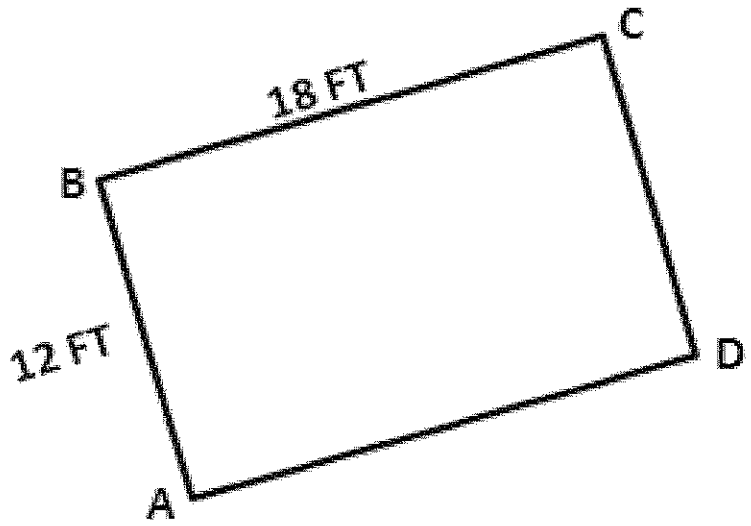
Q 35

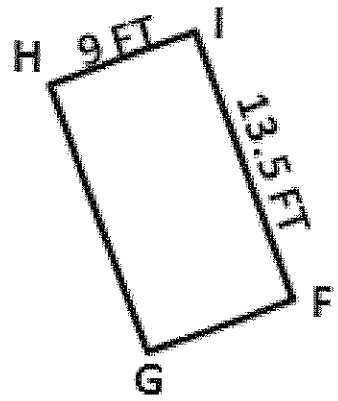
GIVEN THESE TWO FIGURES, DETERMINE THE LENGTH OF $\overline{EF}$.



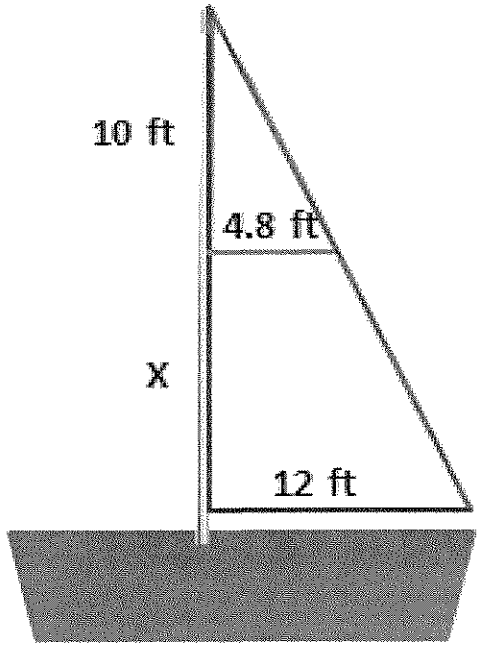
T 16 M

Determine the scale factor used to dilate □ABCD to □FGHI.





S 140



The sail shown to the left has a horizontal stripe parallel to the base of the sail. What is the distance, x, from the base of the sail to the stripe?