

Name : _____

Scale Factors

L1S4

- 1) Helen and her sister, Mandy live in two different cities that are 3 inches apart on the map. If the map is drawn with a scale factor of 1 mile = 0.016 inch, find the actual distance between the two cities.

- 2) Ken and Zoe ordered for a customized photo wedding backdrop to be installed at the reception venue. The actual length of the photo was 5 inches. Determine the length of the photo backdrop, if the digital printing company used a scale factor of 1 inch = 2.2 feet to enlarge the image.

- 3) Harry uses a shoe that is 17.86 feet. If he u

eight of their family home
ght of the dollhouse?

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- 4) Based on the actual
make a scale model
the actual height c

of 1 foot = 0.1 inch to
inches high, determine

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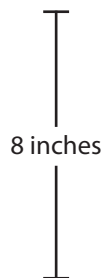
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- 5) Scale factor : 1 inch

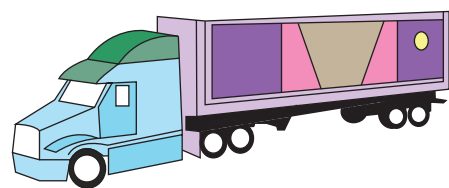
h = 4 feet

Model



Actual height of the Zebra = _____

Model



Actual length of the truck = _____

Name : _____

Answer key

Scale Factors

L1S4

- 1) Helen and her sister, Mandy live in two different cities that are 3 inches apart on the map. If the map is drawn with a scale factor of 1 mile = 0.016 inch, find the actual distance between the two cities.

187.5 miles

- 2) Ken and Zoe ordered for a customized photo wedding backdrop to be installed at the reception venue. The actual length of the photo was 5 inches. Determine the length of the photo backdrop, if the digital printing company used a scale factor of 1 inch = 2.2 feet to enlarge the image.

11 feet

- 3) Harry uses a shoe that is 17.86 feet. If he u

4.7 inch

- 4) Based on the actual make a scale model the actual height c

25 feet

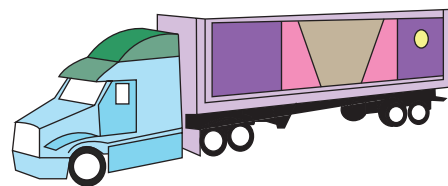
- 5) Scale factor : 1 inch

Model



Actual height of the Zebra = 4.96 feet

Model



Actual length of the truck = 48 feet

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