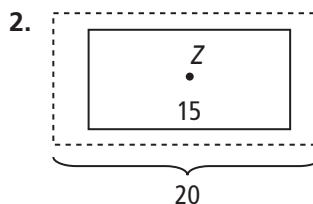
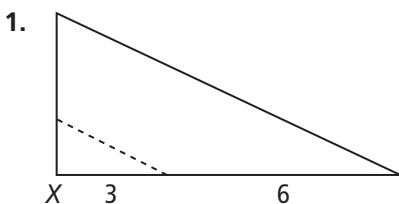


9-5 Standardized Test Prep

Dilations

Gridded Response

The solid-line figure is a dilation of the dashed-line figure. The labeled point is the center of dilation. Find the scale factor for each dilation. Use whole numbers or decimals. Enter your responses on the grid provided.



Solve the problem and enter your response on the grid provided.

- The image of an eraser in a magnifying glass is three times the eraser's actual size and has a width of 14.4 cm. What is the actual width in cm?
- A square on a transparency is 1.7 in. long. The square's image on the screen is 11.05 in. long. What is the scale factor of the dilation?
- A dilation maps $\triangle LMN$ to $\triangle L'M'N'$. $MN = 14$ in. and $M'N' = 9.8$ in. If $LN = 13$ in., what is $L'N'$?

Answers

1.

2.

3.

4.

5.