

Similarity: Using Proportions

1. What is the Scale Factor?

- a. Reflects the relationship within a ratio.
- b. Reflects the relationship between two equal ratios.

2. What is the Constant of Proportionality?

- a. Reflects the relationship within a ratio.
- b. Reflects the relationship between two equal ratios.

3. I have a photograph of my great grandparents that is 5 inches tall and 8 inches wide. I would like to enlarge it and hang it on my wall. I want the enlarged picture to be 24 inches wide. What is my scale factor and what will the new dimensions be for my enlarged photograph?

- a. Scale Factor is 4 and dimensions are 20 inches by 24 inches
- b. Scale Factor is 5 and dimensions are 25 inches by 25 inches
- c. Scale Factor is 3 and dimensions are 15 inches by 24 inches