



Erica has a picture with dimensions of 4 inches by 6 inches. She wants it enlarged into a poster with a width of 20 inches, but she doesn't know how long the poster should be in order to ensure the poster is similar to the original picture. How long should the poster be?

Problem 1: Solve the above problem by looking at the relationship between the width of the photo, 4 inches, and the width of the poster, 20 inches.

Problem 2: Solve the above problem by looking at the relationship between the width of the picture, 4 inches, and the length, 6 inches. Use this relationship to determine and length of the poster.