

- d. Using the scale factor identified in part (c), what is the scaled length of the face? Will it fit on the shirt?
- e. Identify the scale factor you would use to ensure that the face of the statue was in proportion and would fit on the T-shirt. Identify the dimensions of the face that will be printed on the shirt.
- f. The T-shirt company wants the width of the face to be no smaller than 10 inches. What scale factors could be used to create a scaled version of the face that meets this requirement?
- g. If it costs the company \$0.005 for each square inch of print on a shirt, what is the maximum and minimum costs for printing the face of the statue of liberty on one T-shirt?