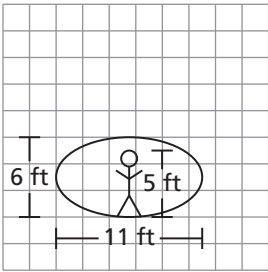


Chapter 7 Performance Task (continued)

Rubric

Matte Artist	Points
1. 3 in. : 10 ft; 1 : 40	2 Total possible points 1 Point for each correct calculation
2. a. 6 in. b. 3.3 in. c. 5.4 in.	3 Total possible points 1 Point for each correct part
3. 185 ft	1 Correct calculation
4. no; Using the scale factor 1 : 40, the height of the mountain in the painting would be $5725 \times \frac{1}{40} = 143.125$ feet. This is greater than the height of the glass matte. So, the entire height of the mountain will not fit on the glass matte.	4 Thoughtful response that references calculations 2 Well-written response without reference to calculations 1 Poorly written response without reference to calculations
5. <i>Sample answer:</i> 2 ft 	5 Correct scale drawing with labels 3 Correct scale drawing without labels 1 Partially correct scale drawing without labels
Mathematical Practices: Construct visual and conceptual mathematics tools. Students will create a scale drawing based on calculations.	5 The student uses his or her knowledge of scales and scale factors to create an accurate scale drawing. Award partial credit as needed.
Total Points	20 points