

BIG HEADS

In 1927, Gutzon Borglum completed a 500-foot sculpture called Mount Rushmore. He carved the sculpture into the side of a South Dakota mountain. The scale he used was 142 meters for every one meter of real length. In person, George Washington was 6'2" (1 meter 87 centimeters) tall. How tall would his whole body have been on Mount Rushmore (according to Borglum's scale)? Make a chart to show the various sizes of his features:

<u>Body Part</u>	<u>Sculpture Size</u>	<u>Actual Size</u>
Head	18 meters	
Nose	6 meters	
Eyes	3.3 meters	
Mouth	5.5 meters	
Whole body		1 meter 87 centimeters

Extensions: Find a friend and measure one another's height. How tall would you be on Mount Rushmore? How large would your facial features be on Mount Rushmore?

Based on your measurements, can you estimate the height and width of the stone-carved George Washington's forehead?

Use the scale on state maps to determine distances from one location to another.

[Source: Connecticut Mastery Test Third Generation Mathematics Handbook, Part 2 Draft, State of Connecticut 2000]