



If the width of this rectangular prism is 6 inches, the length is 8 inches. How could we find the length of the diagonal on the bottom surface of the prism?

Unit 1-15

If the width of a rectangular prism is 12, the height is 8, and the length is 9. How could we find the length of the diagonal of the entire prism?

Ben has a suitcase, this inside of which is shaped like a rectangular prism with a length of 16 inches, a width of 12 inches, and a height of 7 inches. He want to bring his largest umbrella, which is 21 inches in length, with him on a trip. Can he fit that umbrella in the suitcase?

Step 1

Step 2

How could we find the height of this cone?

Unit 1-15

A given cone has a radius of 3 inches and a height of 7 inches. What is the length of the diagonal?	