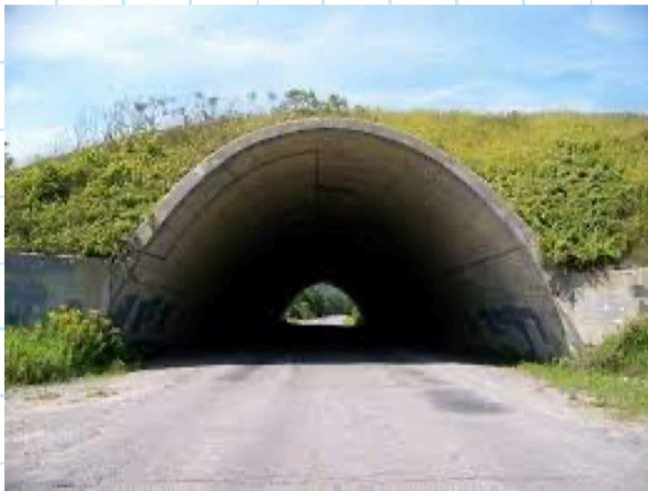


Original Problem: A road enters a tunnel which has the shape of a parabola. At its base it is 9 meters wide and its maximum height is 4 meters. What is the maximum height of a truck that can enter the tunnel, assuming the truck must stay on the left side of the road and the truck has a width of 2 meters?

Modified



What do you notice?

What do you wonder?