Ask Your Parents – Rock in Well

You are stuck at the bottom of a well and are trying to throw a rock up out of the well to get someone’s attention. Because of the narrowness of the well, assume the rock can only fly straight up and fall straight back down. The first rock you throw just barely reaches the lip of the well but doesn’t make it out. The second rock you throw at twice the initial velocity of the first. Explain how the second rock’s flight height compares to the first rock: half as high, same height, twice as high, four times as high, or something else (please specify).