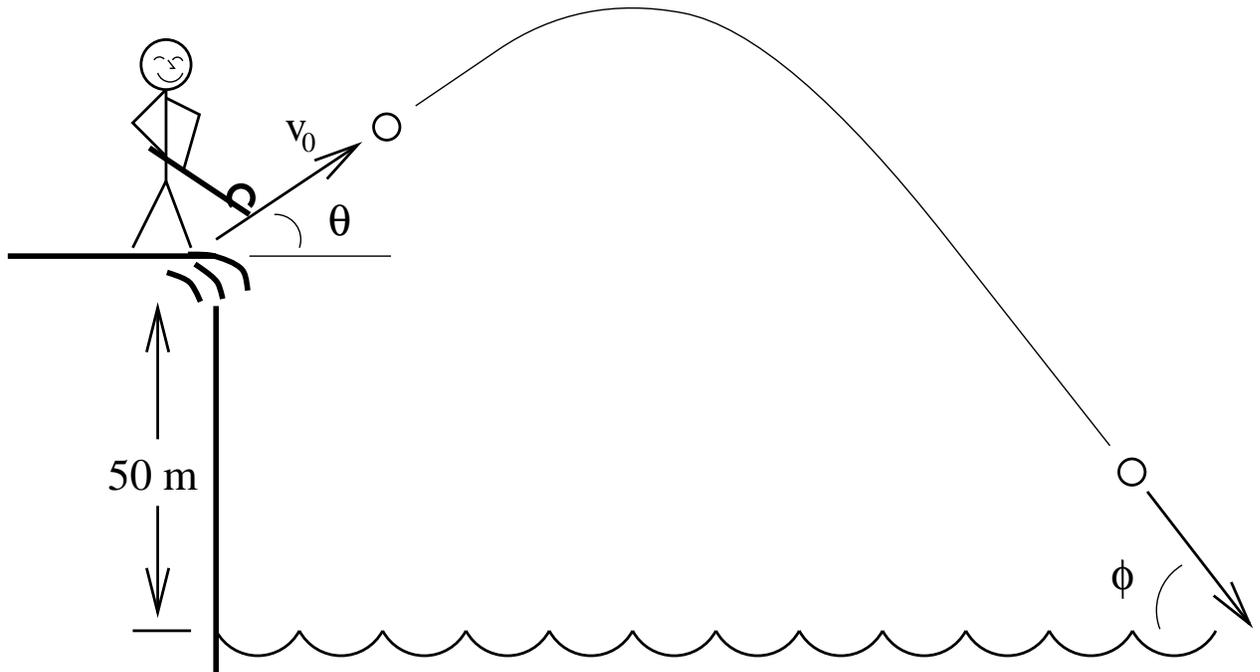


A golf ball is hit into the sea from the top of the white cliffs of Dover, 50 m above sea level.



The initial velocity is $v_0 = 37 \text{ m/s}$ at 30° above the horizontal.

How fast is the ball traveling when it strikes the water?