

40m
2s

use: $v = u + gt$
at max height $v = 0$

$-u = gt$ (g negative as it acts in opposite direction to ball motion which is upwards)
 $t = -u/-g = -10/-10 = 1$ second
total time of flight is twice this (provide we assume the ground is not sloping in any way)
total flight time is 2 secs

horizontal velocity (20ms⁻¹) is constant as there is no accelerating force acting horizontally
 $s = vt$
 $s = 20 \times 2$
 $s = 40m$