

Projectile Challenge #2

Name _____

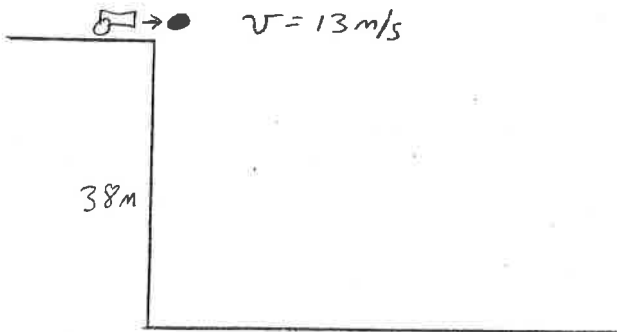
Date _____

Pictures can be very helpful in determining which formulas to use!!!!

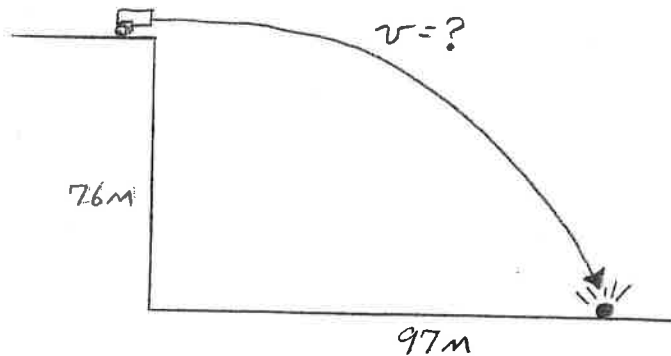
Show all work.

Formulas: $v=d/t$ $v=gt$ $d=vt$ $d=.5gt^2$ or $d=5t^2$

1. A ball falls from a cliff that is 145m tall. How long was it in the air?
2. If I am skydiving and fall for 37 seconds. What would my velocity be (neglecting air resistance)?
3. How far will the ball travel from the base of the cliff



4. How fast was the ball fired from the cannon?



5. Create your own problem involving a falling ball. Work it out, showing your answer and work.
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