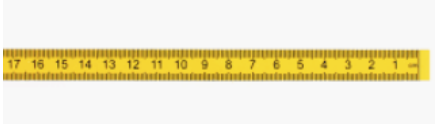
Cycle 14 Kinematics

HotWheels® Activity

Purpose: To measure the acceleration of a HotWheel.

Cross out the equations you were NOT assigned.

① $\Delta x = v_0 t + \frac{1}{2} a t^2$ ② $v = v_0 + at$ ③ $v^2 = v_0^2 + 2a\Delta x$



(start from rest)

Connect each variable (except acceleration) to the method you are going to use to measure it.

List your data here:

Solve for acceleration:

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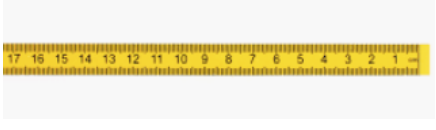

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