

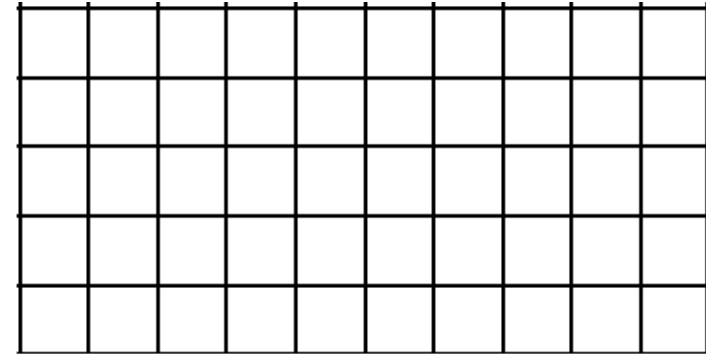
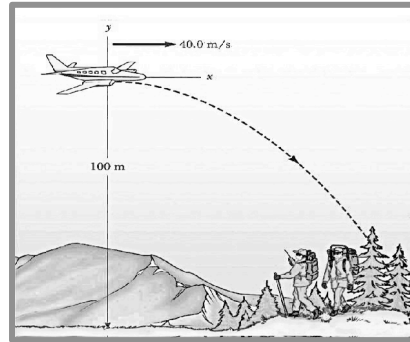
Inertia, Gravity and Dropping Cargo

Name _____

Period _____

__1) Use **Trial and Error** to determine the **Role of INERTIA** as you drop a tennis ball when running by a target and **illustrate** your findings.

_1) Set the vertical distance to **1 meter** and your horizontal running distance to **10 meters**.



_2) Employ **2 watchers (judges)** for **DROP** and **HIT**.

_3) **DROP...Do NOT aim or throw...** the tennis ball (in a bag to keep it from rolling away). **Practice!!**

_4) **RUN ON BY → ... DO NOT STOP** at the target. **Practice!!**

_5) Show your measurements (trials) and also the trials of your partner on graph paper or on this worksheet.

_6) Illustrate your results similar to the included image.

(Note: Label, using more than one square per meter. You do not have to include the starting point.)

Trial	Person Running	DROP: Meters (Estimate to tenths.) This takes another person to watch.		HIT : Meters (Estimate to tenths.) This takes another person to watch.		Trial and Error Notes:
		Meters	Judge	Meters	Judge	

__7. Conclude: To drop on a target from a height of 1 meter when running by the target, drop the object _____.