







6 If the ramp was moved to the end of the table, how does that change the experiment? Explain. (2)

7 Alternate method to find the velocity of the dinky when it leaves the ramp.

Using the Law of Conservation of Energy:

$$E_{g \text{ (top of ramp)}} = E_{k \text{ (bottom of ramp)}}$$
$$mgh = \frac{1}{2}mv^2$$
$$gh = \frac{1}{2}v^2$$

$$V^2 = 2gh$$

Use this formula to find the velocity of the dinky when it left the ramp. Compare it to the answer you had in the table. Is it different? Which formula gives the most accurate answer? Why? (4)