Watch the video clip.

What's the question?

Estimates:

TOO LOW	BEST GUESS	TOO HIGH

Given Information:

Identify:

Independent Variable:

Dependent Variable:

1. Create a table of values.

2. Graph this relationship
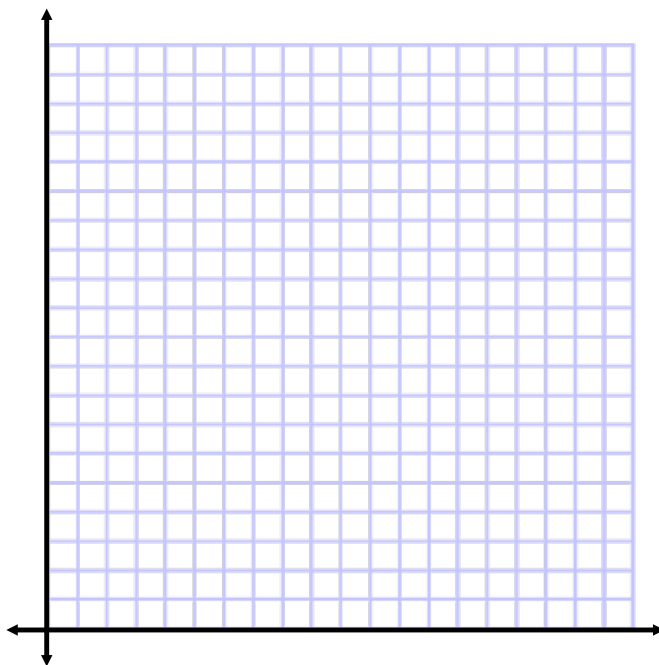
3. Complete the following:

Initial Value:

Rate of Change:

Circle Type of Variation:

DIRECT / PARTIAL

Equation:

4. Use the equation to determine the number of times the hummingbird flaps its' wings in 5 minutes.

5. Use the equation to determine how long it would take for the hummingbird to flap its' wings 1,000,000 times.

6. Assume the flapping speed of the hummingbird was tripled.
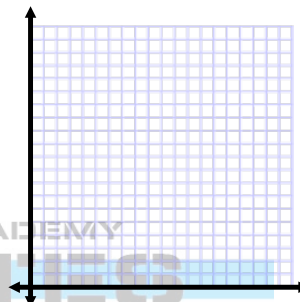Complete the following under this new assumption:

Initial Value:

Rate of Change:

Circle Type of Variation:

DIRECT / PARTIAL

Equation:

Explain what the graph of this new relation would look like in comparison to the original. Then, draw quick sketches of both graphs on the grid to the right.