Hummingbird Math
A Worksheet by Golden Gate Audubon Society

There are many species (kinds) of hummingbirds around the world. Anna's Hummingbirds are the most common hummingbird in the Bay Area. They live here year-round, building nests and raising babies during the winter and spring. Look for them drinking nectar from flowering plants. Their wings make a humming sound as they move.

Hummingbirds move their wings very fast, about 50 times per second!

How many times would an Anna’s Hummingbird move its wings in:

- 2 seconds______
- 3 seconds______
- 4 seconds______
- 5 seconds______

How many seconds does it take for an Anna’s Hummingbird to move its wings 500 times?______
How many times would an Anna’s Hummingbird move its wings in one minute?______

One minute equals 60 seconds. How many times would an Anna’s Hummingbird move its wings in one minute?______

How many times can you flap your arms in one minute?______
Use a watch or a cellphone to time yourself.

In order to move their wings so quickly, hummingbird hearts must beat very fast—about 1,000 beats per minute.

How many times does an Anna’s Hummingbird’s heart beat in:

- 2 minutes______
- 3 minutes______
- 10 seconds______
- 1 second______

How many times does your heart beat in one minute?______
Look up the answer on Google or have an adult take your pulse.

Whose heart beats faster, yours or a hummingbird’s?______

Learn more about hummingbirds at allaboutbirds.org/guide/Annas_Hummingbird.
Or visit goldengateaudubon.org.