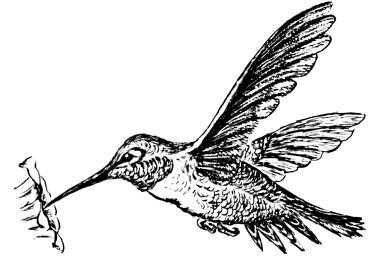


Hummingbird Math

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 _____

4 seconds _____

3 seconds _____

5 seconds _____

How many seconds does it take for an Anna's Hummingbird to move its wings 500 times? _____ 1000 times? _____

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 _____

10 seconds _____

3 minutes _____

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.