

Name: _____ Period: _____ Date: _____

Monarch Multiplication Activity Data Tables

Math 5

Use your math notebook to show your work for each question. Record the answer below the question on this sheet.

★ Don't forget to convert each time period to seconds!

Number of times a butterfly flaps its wings **per second**

Low	High
5	12

<https://journeynorth.org/tm/monarch/FlightPoweredSlowMotion.html>

1. What is the lowest number of times a Monarch flaps their wings in a minute?
2. What is the highest number of times a Monarch flaps their wings in a minute?
3. What is the lowest number of times a Monarch flaps their wings in an hour?
4. What is the highest number of times a Monarch flaps their wings in an hour?
5. What is the lowest number of times a Monarch flaps their wings in a day?
6. What is the highest number of times a Monarch flaps their wings in a day?

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Speed of flight

Low	High
15 mph	25 mph

<https://monarchbutterflygarden.net/8-things-know-monarch-migration/>

1. What is the shortest distance a Monarch could travel in one day?
2. What is the longest distance a Monarch could travel in one day?
3. What is the shortest distance a Monarch could travel in one week?
4. What is the longest distance a Monarch could travel in one week?
5. What is the shortest distance a Monarch could travel in one month?
6. What is the longest distance a Monarch could travel in one month?

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Average number of monarchs counted per hour in Cape May, NJ in October and September

Low average	High average	20 year average
9	360	90

<https://wetlandsinstitute.org/about-us/articles-publications/monarch-butterfly/>

1. What is the low average number of Monarchs counted in one day in Cape May, NJ?
2. What is the high average number of Monarchs counted in one day in Cape May, NJ?
3. What is the 20 year average number of Monarchs counted in one day in Cape May, NJ?
4. What is the low average number of Monarchs counted in one week in Cape May, NJ?
5. What is the high average number of Monarchs counted in one week in Cape May, NJ?
6. What is the 20 year average number of Monarchs counted in one week in Cape May, NJ?