## How Does Your Heart Rate Compare with a Bear?

Materials: clock, watch or timer
Work with you partner to determine your resting heart rate.

1. Predict what your heart rate will be. How many times a minute does your heart pump blood through your circulatory system?
2. Measure each other's pulse.


- One person rests their arm on the desk, with their elbow bent.
- The other person puts their middle and index finger on the artery on the inside of the first person's wrist. They should feel the pulse beating.
- Count the number of heart beats for 30 seconds.

3. Calculate your heart rate over 1 minute.

- Multiply your count number by 2 .
- Add your heart rate to the chart below, Comparing Mammal Heart Rates.

4. Do a minute of physical activity, then find your active heart rate.

My predicted resting heart rate (beats per minute)

My resting heart rate (bpm)
My active heart rate (bpm)

## Comparing Mammal Heart Rates

| Mammal | Resting heart rate (bpm) |
| :--- | :---: |
| Horse | 38 |
| Black bear | 45 |
| Moose | 70 |
| Dog, large | 85 |
| Human youth | 100 |
| Beaver | 150 |
| Cat | 205 |
| Rabbit | 670 |
| Mouse |  |

