

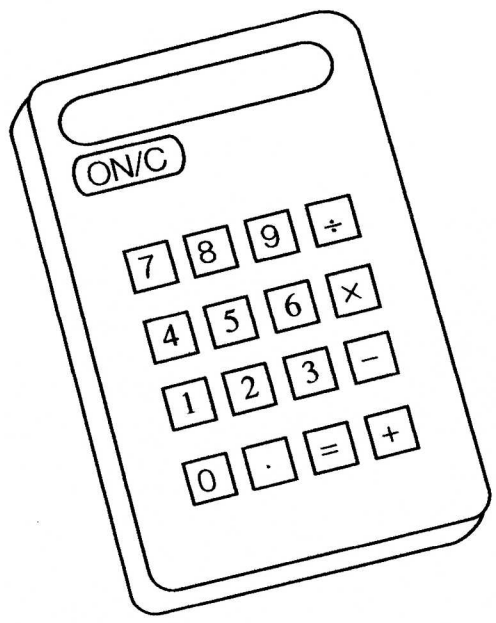


What's the Beat?

When at rest, the normal adult heart beats about 70 times a minute.

1. How many times will the heart beat in—

- a) one hour? _____
- b) one day? _____
- c) one week? _____
- d) one month? _____
- e) one year? _____
- f) ten years? _____
- g) twenty years? _____
- h) thirty years? _____
- i) sixty-five years? _____



2. Which is the greater—the number of heartbeats in an hour or the number of seconds in an hour? _____

How can you tell? _____

3. Does the heart beat faster than once a second? _____

How do you know? _____

4. What length of time is required for an average adult human's heart to beat 1 000 000 times? _____

What helped you to make this decision? _____

5. When at rest, the blue whale's heart rate is 5 beats each minute, the elephant's is 30, and the adult human's is 70. The shrew, a mouselike animal, has a heart rate of about 1 000 beats a minute. _____

- a) About how many more times each day does the shrew's heart beat than the adult human's? _____
- b) About how many more times in one day does the adult human's heart beat than the elephant's? _____
- c) What conclusions can you draw from the information above? Write your response here. _____
