

Answer Key – What’s the Beat?

- 4,200
 - 100,800
 - 705,600
 - 2,822,400 - 3,124,800 (acceptable range of answers)
 - 36,288,999 - 36,892,800 (acceptable range of answers)
 - 362,880,000 - 368,928,000 (acceptable range of answers)
 - 725,760,000 - 737,856,000 (acceptable range of answers)
 - 1,088,640,000 - 1,106,784,000 (acceptable range of answers)
 - 2,358,720,000 - 2,398,032,000 (acceptable range of answers)
- In an hour the average heart beats 4,200 times, whereas an hour contains 3,600 seconds.
- Yes, the average heart beat 70 times in a minute, whereas a minute contains 60 seconds.
- About 10 days. By using the answer to 1b, if the heart beats about 100,000 times in one day, the heart would beat about 1,000,000 times in 10 days.
- Human's heartbeats per day: 100,800; shrew's heartbeats per day: 1,440,000; the shrew's heart beat 1,339,200 more times per day than the adult human's heart.
 - Human's heartbeats per day: 100,800; elephant's heartbeats per day: 43,200; the human's heart beats 57,600 more times per day than the elephant's.
 - The smaller the mammal, the greater is the number of heartbeats.