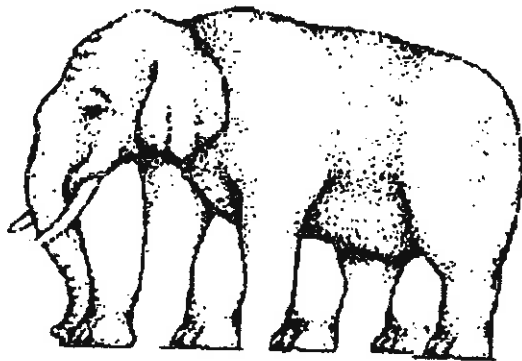


# POW #9

## HEARTBEATS

If an elephant's heart beats 25 times a minute, how many days does it take to beat a million times?



### POW GUIDELINES

Number and label the 4 parts of your write-up.

1. *Complete heading*
2. **Problem Statement.**

In your own words, tell what you are asked to do--include the essential details and the question.

3. **Process.**

Show all your work. Refer to the problem to give reasons for each step. Write enough (several paragraphs) to show that you really tried to solve the problem.

4. **Solution.**

Write your answer in a sentence which refers to the problem. Explain why your answer makes sense. Show a check if you can.

5. **Evaluation.**

Write complete sentences to answer these questions:

- How do you feel about this POW? Why?
- Did anyone help you?
- Does this remind you of any other problem?
- Tell one thing you learned.
- What rubric score should you get? Why?

**EXTENSIONS.** (Extensions are optional) If the POW is easy for you, try the extensions. Write a paragraph for each--the extensions do not require 4-part write-ups.

**FIRST EXTENSION:** What time of the day is the 1,000,000<sup>th</sup> heartbeat in the POW problem?

**SECOND EXTENSION:** Make up a heartbeat problem using your own pulse rate and solve it.