



MATH ACTIVITIES

Health

CAREER CONNECTION

Do you like to count, play with numbers, and keep track of things? You might be interested in a STEM career! Medical Transcriptionists record and check reports and patient records to keep them healthy. Statistical programmers work with health care data sets to improve the health of patients and communities.

How many miles can you walk in one year?

Fermi problems require you to make a quick estimate of a quantity that seems difficult or impossible to determine precisely. They were named after Enrico Fermi, the Italian physicist who used this problem solving method to predict how atoms would work long before scientists had the technology to actually see them. Fermi problems emphasize the **process** of solving problems over getting the exact answer.

STEPS IN SOLVING THESE PROBLEMS

1. What is the question asking you to do?
2. Make a wild guess!
3. Make an educated guess using a line of reasoning and calculations based on your experiences and estimations.
4. Gather data to help you make a better educated guess. This includes performing experiments, measuring, and searching for data to help your make a more precise estimate.
5. Write a conclusion. State your final answer with possible sources of error. List facts you learned and other questions you still have.