

PENNY POW

For this problem, provide the following:

I. PROBLEM STATEMENT

Write a concise statement of the problem. Write clearly enough so that someone picking up your paper could understand exactly what you were asked to do.

II. PLAN

Tell what you did to prepare to solve the problem. How did the problem seem to you when you first read it? Consider what you are asked to find, what you know, what you need to know, and what strategies you can use. Is this problem like any others you've done? Before you begin to work on the problem, make a guess at the answer to the problem.

III. WORK

Explain in detail what you did to solve the problem. Use charts and graphs where appropriate. Tell what worked, what didn't work, and what you did when you got stuck. Did you get help from anyone? What kind of help?

IV. ANSWER

State your answer(s) to the problem. Does the answer make sense? Could there be other correct answers? Compare your final answer with your original guess. What did you learn from this problem that could help you solve other problems?

I CAN'T PAY!

The country of Strangelandia has a very unusual currency. There are only two denominations of coin. The small coin is worth 7 cents; the large coin is worth 11 cents. Thus certain prices cannot be paid exactly, for example, 15 cents.

What is the highest price that cannot be paid with any combination of the two types of coin?