

POW #10

BASKETBALL TOURNAMENT

Sixteen teams compete in a single elimination basketball tournament (one loss and you're out). How many games must be played to determine a champion?



As part of your process section, identify each of the 16 teams in a table or diagram.

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: Make up a Connect 4 tournament schedule for a class of 32 students.

SECOND EXTENSION: Describe a tournament that takes place locally or nationally.