



Problem of the Week

Problem C

Mystery Materials and Morsels



Xavier, Yvonne and Zak arrived at school at three different times. They each brought one of their favourite snacks to share with the other two (one brought pretzels; one brought cookies; one brought licorice), and their favourite sports apparatus (one brought a baseball; one brought a basketball; one brought a football).

We know a few other facts:

1. The first to arrive did not bring cookies.
2. Xavier arrived second and brought a football.
3. Yvonne arrived before Zak.
4. The person who brought cookies also brought a baseball.
5. The person who brought pretzels did not bring a basketball.

Determine the order they arrived in, what they each brought for a snack, and which sports apparatus they each brought.

