



## Problem of the Week

### Problem A

### Pizza Party

Last year, April had a pizza party for all 36 students in her class. She expected everyone to eat 4 slices of pizza each. When the party was done, she had a lot of pizza left over. April observed three groups at the party.

- **Group A** made up one-third of the class. Each person in this group ate half the number of slices April predicted everyone would eat.
- **Group B** made up half of the class. They each ate 2 slices. After that, each person shared one more slice with a friend in this group.
- **Group C** made up the remainder of the class. Each person in this group ate 4 slices each, as she expected.

- A) How many people were in **Group A**?
- B) How many pizza slices in total did the people in **Group B** eat?
- C) How many people were in **Group C**?
- D) If a large pizza has 12 slices, how many pizzas should April have ordered for the party to avoid having so much pizza left over? Note that she might still have ended up with a few extra slices.

