Problem of the Week
Problem D
Ski Camp

For a winter ski camp, exactly 400 campers registered. Each camper registered for an outdoor activity, either downhill skiing or cross-country skiing. No camper could register for both of these outdoor activities. Also, each camper registered for an activity in the gym, either an aerobics group or a weight training group, but not both.

From the completed registrations, the following information is known:

○ $\frac{5}{8}$ of the campers are registered for the aerobics group;

○ 40% of the campers registered for downhill skiing are also registered for the aerobics group; and

○ $66\frac{2}{5}\%$ of the campers registered for the aerobics group registered for cross-country skiing as their outdoor activity.

Determine the percentage of campers registered in both cross-country skiing and the weight training group.