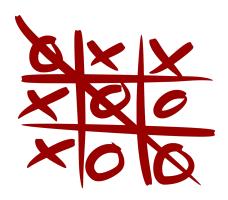# Problem of the Week
Problem A
Team Tournament

Ms. McNeil organizes a bean bag tic-tac-toe tournament for her class. She divides her class into 6 teams. When one team plays another team during the tournament, this is called a match.

(a) In the tournament, each team has to play every other team once. How many matches will each team play during the tournament? Justify your answer.

(b) How many matches are played in total during the tournament? Justify your answer.

THEMES: ALGEBRA, DATA MANAGEMENT