

PE Problems

ACTIVITY

It is Kelly's first day at Huxley Intermediate. She didn't expect to have a maths problem to solve in PE, her very first class!

- Ms Burrows, her PE teacher, asks the students to get into four unequal teams. She says:
 - Team A has to have six fewer members than team B.
 - Team B has to have two more than team D.
 - Team C has to have half the number in team B.
 - The smallest team has to have two members.
 - What is the least number of students in each team?
 - Based on question 1a, how many students are in the class?
- Ms Burrows decides to combine the teams so that she has two equal teams. How does she do this?
- By the end of term 1, the class size has grown to 27. Using the first three rules from question 1, how many would make four unequal teams now?
 - Can there still be two equal teams?
- What is the next size class that the first three rules from question 1 would work for?

