Problem of the Week
Problem A
Counting Collections

The students in Riverside Public School love to play a game called "Counting Collections". In this game, the students collect objects, and the student who has collected the most objects wins.

Santosh has collected 262 erasers, 451 buttons and 173 pencils. Alyssa has collected 489 straws and 446 rocks.

To estimate who collected the most objects, they round the total number of each type of object, and then use the rounded numbers to calculate the total for each player. Santosh rounds all the numbers to the nearest 100. Alyssa rounds all the numbers to the nearest 10.

(a) Based on his rounded calculation, who does Santosh think won the game?

(b) Based on her rounded calculation, who does Alyssa think won the game?

(c) Who is correct? Justify your answer.

THEME NUMBER SENSE |