



Problem of the Week

Problem B

Where's the Audience?

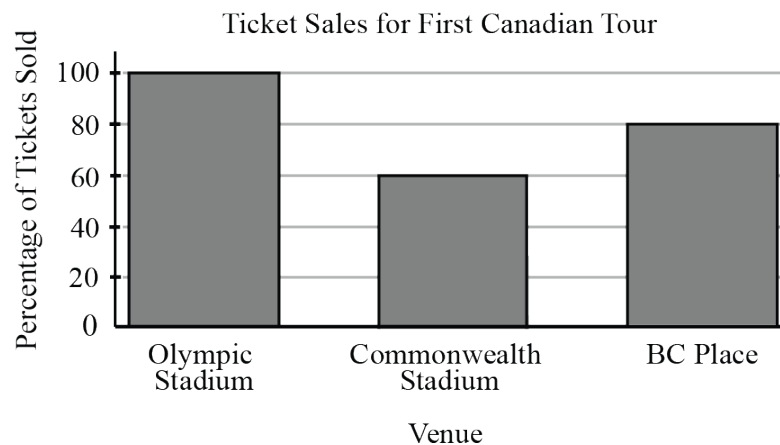
The Pythagorean Triples are a rock band who recently returned from their second Canadian tour.

- (a) Information about ticket sales for three of the venues they played at is summarized in the following table.

Venue	Number of Tickets Available	Number of Tickets Sold
Olympic Stadium	60 000	45 000
Commonwealth Stadium	55 000	44 000
BC Place	54 000	48 600

For each venue, what percentage of available tickets were sold?

- (b) Two years ago, the Pythagorean Triples played at the same three venues on their first Canadian tour. For each venue, the percentage of available tickets that were sold is shown in the bar graph below.



If the number of tickets available for each venue was the same for both tours, which tour sold more tickets for these three venues combined? Justify your answer.