

Answer on Question #48559 – Math – Algebra

Question.

Four students about to purchase concert tickets for \$18.50 for each ticket discover that they may purchase a block of 5 tickets for \$80.00. How much would each of the 4 save if they can get a fifth person to join them and the 5 people equally divide the price of the 5-ticket block?

Solution.

If the students find the fifth person and purchase the 5-ticket block, each will pay

$$\frac{\text{price for the block}}{\text{number of students}} = \frac{80}{5} = 16$$

Since they are about to pay \$18.50 if they buy them separately, the savings will be

$$18.50 - 16 = 2.50$$

Answer.

\$2.50