

**Answer on Question #49130 – Math – Algebra**

A concert ticket that originally costs \$46.50 is on sale for \$38.75. What is the percent of decrease, rounded to the nearest tenth?

- A. 16.7% B. 20% C. 22.3% D. 24.6%

**Solution.**

The percent of decrease can be calculated by the formula  $\frac{a-b}{a} \cdot 100\%$ ,

where  $a$  is the initial price for a ticket,  $b$  is the current price for a ticket. So

$$\frac{46.5 - 38.75}{46.5} \cdot 100\% = 16.7\%$$

**Answer:** A. 16.7%.