

Answer on Question #80406 – Math – Algebra

Question

Before leaving to visit Mexico, Levant traded 270 American dollars and received 3,000 Mexican pesos. When he returned from Mexico he had 100 pesos left. How much will he receive when he exchanges these pesos for dollars.

Solution

$$270 \text{ USD} = 3000 \text{ Pesos}$$

$$1 \text{ Peso} = \frac{270}{3000} = 0.09 \text{ USD}$$

$$100 \text{ Pesos} = 0.09 \cdot 100 = 9 \text{ USD}$$

Nevertheless, we do not know whether these currency exchange rates are equal, hence the actual value may differ.

Answer: 9 USD.