Answer on Question #54758 – Math – Algebra

If Trevor pays $150.00 taxes on his house that is valued at $250,000.00. How much taxes should Ann pay on her house that is worth $450,000.00?

Solution.

To find taxes that Ann should pay we must calculate ratio:

$$\frac{150}{250000} = \frac{x}{450000},$$

where x is taxes that Ann must pay. And now from this ratio we can find x:

$$250000x = 150 \cdot 450000,$$

$$x = \frac{150 \cdot 450000}{250000} = \frac{5 \cdot 30 \cdot 5 \cdot 9}{5 \cdot 5} = 270.$$

Answer: Ann should pay $270.00 on her house.