

Question 20784

If a 10 feet by 12 feet booth costs 78 dollars how much would a 12 feet by 12 feet booth cost.

Solution.

We first find the area of 10 feet by 12 feet booth

$$12 \cdot 10 = 120(\text{feet}^2).$$

Then the price of 1 feet^2 costs

$$78/120 = 0,65 \text{ dollars.}$$

Finally, a 12 feet by 12 feet booth costs

$$12 \cdot 12 \cdot 0,65 = 93,6 \text{ dollars.}$$

Answer. 93,6 dollars.