

Division Worksheets

The floor of a rectangular banquet hall has an area of $3,600 \text{ m}^2$. The length is 90 m.

a. What is the width of the banquet hall?

b. A square banquet hall has the same area. What is the length of the room?

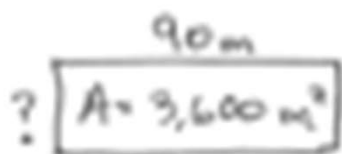
c. A third rectangular banquet hall has a perimeter of 3,600 m. What is the width if the length is 5 times the width?

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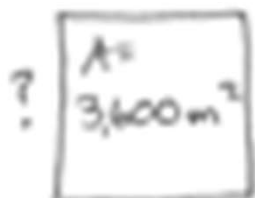
a. What is the width of the banquet hall?



$$\begin{aligned} 3,600 \div 90 \\ = 3,600 \div 10 \div 9 \\ = 360 \div 9 \\ = 40 \end{aligned}$$

The width of the banquet hall is 40 meters.

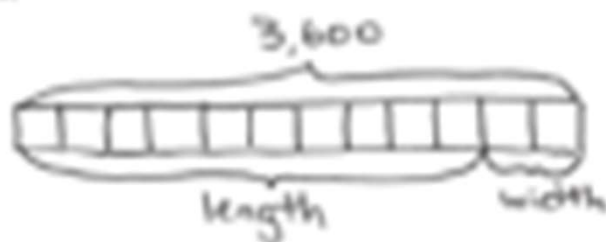
b. A square banquet hall has the same area. What is the length of the room?



$$\begin{aligned} 6 \times 6 = 36 \\ 60 \times 60 = 3,600 \end{aligned}$$

The length of the banquet hall is 60 meters.

c. A third rectangular banquet hall has a perimeter of $3,600 \text{ m}$. What is the width if the length is 5 times the width?



$$\begin{aligned} 12 \text{ units} &= 3,600 \\ 1 \text{ unit} &= 3,600 \div 12 \\ &= 300 \end{aligned}$$

The width of the banquet hall is 300 meters.