

3 Japanese

$$\begin{cases} a \times b = 48 \\ 2a + 2b = 28 \end{cases} \rightarrow \begin{cases} a = 10 \\ 48/b \end{cases}$$

$$a + b = 14$$

$$48/b + b = 14 \rightarrow b^2 - 14b + 48 = 0$$

$$\Delta = 196 - 4 \cdot 1 \cdot 48 = 4$$

$$\begin{matrix} b_1 = 6 & b_2 = 8 \\ b_1 - 2 = 4 & b_2 - 2 = 6 \end{matrix}$$

Problem: same = 6 cm  
width = 8 cm