

Math Problem of the Week #22A

March 1, 2010

SOLUTION:

22%

The area of the entire page equals $30 \text{ cm} \times 40 \text{ cm} = 1200 \text{ cm}^2$, while the area of the interior of a page is $(30-4) \text{ cm} \times (40-4) \text{ cm} = 936 \text{ cm}^2$. The area of the margins is thus $1200 \text{ cm}^2 - 936 \text{ cm}^2 = 264 \text{ cm}^2$, which represents $264/1200 = 0.22$, or 22%, of the total area of the page.