

Problem of the Week-5: Solve for m, n

Find all possible values of m and n so that 18^{10} is the least common multiple of $\{m, 6^{10}, n\}$ where m and n are distinct.

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¹Posting Date 10/25/06. Submit solutions to Noah Aydin, RBH 319 (e-mail or hard-copy, but hard copy submissions must include a time stamp) by 4 pm on 11/3/06.