



Problem of the Week

Problem A

Cleaning Calculation

A housekeeper is responsible for cleaning all the rooms on one floor of a hotel. The floor has 16 regular rooms and 5 suites. Regular rooms take 20 minutes each to clean. Suites take 30 minutes each to clean.

- (a) How long does it take to clean all the rooms on the floor of the hotel?
- (b) If the housekeeper starts cleaning at 10:00 a.m. and does not take a break, at what time is the job finished?

