

Max-Min Worksheet 5

Problem. A farmer wants to hire workers to pick 900 bushels of beans. Each worker can pick 5 bushels per hour and is paid \$1.00 per bushel. The farmer must also pay a supervisor \$10 per hour while the picking is in progress, and he has additional miscellaneous expenses of \$8 per worker. How many workers should he hire to minimize the total cost? What will then be the cost per bushel picked?