

**MARKS**

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4. In an audit of industrial accounts, 200 accounts were obtained by a equiprobable ('simple random') selecting from a total of 5,000 accounts outstanding, and the amount overdue (*i.e.*, owing for more than 30 days) was recorded. The sample average was found to be \$110.00 and the sample s.d. was \$48.00. Find an approximate 90% confidence interval for the *total* amount owing on overdue accounts.

( \_\_\_\_\_ , \_\_\_\_\_ )  
90% confidence interval