

Section 11.3 Extra Practice

1. Nancy surveyed 100 students about the popularity of different categories of books. The table displays the results of their favourites.

Category	History	Mystery	Science Fiction	Sports	Teen Romance
Total	10	28	36	16	10

- a) From the results, predict how many out of 500 students would choose science fiction. Show your calculations.

- b) If the actual number was different from the prediction, would the survey be wrong? Circle YES or NO. Give 1 reason for your answer.

2. A school store needs an average sale of \$250 per month to reach their goal. The sales for the first three months of the year were \$190, \$245, and \$210. Since the sales appear to be too low, students predict that they will not reach their goal.

- a) What were the average sales for the first three months?
Round your answer to the nearest dollar.



Name: _____

Date: _____

BLM 11-4
(continued)

- b)** All the sales are shown in the chart.
Find the average sales for 10 months.

Month	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Sales	190	245	210	350	265	325	305	225	265	300

Was the students' prediction correct? Circle YES or NO. Give 1 reason for your answer.

