Name _____ Date _____

Practice B
For use with the lesson "Analyze Data"

In Exercises 1–3, use the table showing the number of students who preferred the book or the movie of two genres.

1. How many students preferred the book for a drama?

2. How many students preferred the movie for these genres together?

3. How many more students preferred the book than the movie for these genres together?

	Mystery	Drama	Total
Book	12	17	29
Movie	15	13	28
Total	27	30	57

Complete the two-way table.

4.

	Vanilla	Chocolate	Total
Cone			72
Cup	49	11	
Total		36	

5.

	T-shirts	Sweat-shirts	Total
Men's	41		59
Women's		7	
Total	64		

In Exercises 6–7, make a two-way table for the given information.

6. **Homes** In a neighborhood there are 82 houses. Thirty of these are 1-story and the rest are 2-story. Eleven of the 1-story are frame and 37 of the 2-story are brick.

7. **Vacations** You surveyed 107 students about their vacation plans. Twenty-nine are going less than 500 miles and 41 are going more than 1000 miles. Twenty-three are going by train. Of these, 12 are going between 500 and 1000 miles. Twenty-eight are going by car. Three who are going less than 500 miles are going on an airplane and 36 who are going more than 1000 miles are going on an airplane. Seventeen going less than 500 miles are traveling by car.

8. The table shows the number of tacos sold at a restaurant.

   a. Which type of taco with mild sauce sold the most?

   b. Which type of meat taco sold the most?

   c. If the store needs to cut back and eliminate one type of meat, which kind should it be? Explain your choice.

	Pork	Beef	Chicken	Total
Mild Sauce	57	56	32	145
Hot Sauce	35	41	19	95
Total	92	97	51	240

In Exercises 9–12, use the table showing the number of swimming pools sold.

9. Complete the table.

10. How many more in-ground pools than above-ground pools were sold?

11. Which shape of pool sold the most?

12. Is the most popular shape for in-ground pools the same as that for above-ground pools? Explain.

	Rectangular	Round	Oval	Total
Above-Ground		58		78
In-Ground	47		24	
Total	56		35	159