

**LESSON**  
**10.3****Practice C**

For use with the lesson "Analyze Data"

**Create a two-way table for the given information.**

1. A bookstore employee surveyed 56 customers and found that half of them prefer paperback books. Of the customers that prefer paperback books, 4 more prefer fiction than those that prefer non-fiction. Of the customers that prefer hardback books, 6 more preferred non-fiction than those that prefer fiction.
2. There are 33 students in a gym class. Of those students, one-third are girls wearing low-top sneakers, 16 are boys, and 15 are wearing high-top sneakers.

**For exercises 3-6, use the table that shows data about uniforms worn by employees at a store.**

	Polo	Oxford	Sweater	Total
Pants	$x + 4$	$2x + 5$	1	?
Shorts	$y$	$y + 1$	?	?
Total	8	11	?	20

3. Find the values of  $x$  and  $y$ .
4. Use the values of  $x$  and  $y$  to find the missing joint and marginal frequencies.
5. What percent of employees are wearing shorts?
6. What percent of employees are wearing pants?
7. **Pizza** A pizza parlor sells deep-dish and thin crust slices. The table shows the number of cheese, pepperoni, sausage, and veggie slices sold.

	Cheese	Pepperoni	Sausage	Veggie	Total
Deep-dish	27	61	25	11	124
Thin crust	35	47	19	33	134
Total	62	108	44	44	258

- a. Which topping appears to be most popular?
- b. Which toppings appear to have the same popularity?
- c. If a customer is going to order a slice of cheese pizza, is it likely to be deep-dish or thin crust?