

## **Percentages, Sales Tax, and Discounts**

The National Center for Educational Statistics reported that in 2008-2009, 178,564 master's degrees in education were awarded in the United States, and that this represented 27% of all master's degrees awarded. How many master's degrees were awarded in 2008-2009?

A box of 20 reams of computer printer paper advertises "99.99% jam free." How many paper jams would you expect from that box?

In *The New Yorker* on March 29, 2010 James Surowicki wrote that the 25 million iPhones Apple sold in 2009 represented 2.2 percent of world cell phone purchases.

- (a) Use Surowicki's numbers to estimate how many people bought a cell phone in 2009.
- (b) Estimate the percentage of the world population that bought a cell phone in 2009.
- (c) Estimate the percentage of the United States population that bought a cell phone in 2009.