**Bell Ringer Using Single Digits Times an Integer Power of Ten**

**Grade Level**:  8

**Competency:** H7 Demonstrate the ability to practice health-enhancing behaviors and avoid or reduce health risk.

**Objective:** The student will become aware of the potential dangers of alcohol use.

**Content Strand**: Substance Abuse Prevention (SA)

**Common Core**:
**CCSS.Math.Content.8.EE.A.3** Use numbers expressed in the form of a single digit times an integer power of a 10 to estimate very large or very small quantities.

**Duration:** 10 minutes

**Description:**

1) The annual cost of alcohol-related crashes totals more than $51 billion. Write 51,000,000,000 in scientific notation.

8. EE.3

2) US adults drank too much and got behind the wheel about $1.12 \times 10^8$ times in 2010. Write this number in standard form.

8. EE.3

**Answers:**

1) $5.1 \times 10^{10}$    2) 112,000,000