Name: _____ Class: _____

**1.** A bus travels 320 miles in 6.4 hours. If the bus continues at the same rate, which proportion can be used to find $m$, the number of miles the bus will travel in 9 hours?

**A** $\frac{320}{6.4} = \frac{9}{m}$

**B** $\frac{9}{m} = \frac{6.4}{320}$

**C** $\frac{9}{320} = \frac{6.4}{m}$

**D** $\frac{6.4}{9} = \frac{m}{320}$

**2.** Maria filled 4 jars with jam using 3 pounds of strawberries. Which proportion can be used to find out how many jars Maria can fill with 9 pounds of strawberries?

**A** $\frac{3}{4} = \frac{9}{x}$

**B** $\frac{3}{4} = \frac{x}{9}$

**C** $\frac{3}{x} = \frac{4}{9}$

**D** $\frac{4}{9} = \frac{x}{3}$

**3.** Regan is paid \$128 for creating 8 cartoon drawings at the town festival. Which proportion can be used to calculate how much she is paid for each cartoon she draws?

**A** $\frac{8}{\$128} = \frac{x}{1}$

**B** $\frac{8}{x} = \frac{\$128}{1}$

**C** $\frac{8}{\$128} = \frac{1}{x}$

**D** $\frac{\$128}{8} = \frac{1}{x}$

**4.** In a photograph, a stadium measures 8 inches across by 2 inches high. If the actual stadium measures 500 feet across, which equation can be used to find $x$, the height of the stadium in feet?

**A** $\frac{x}{500} = \frac{2}{8}$

**B** $\frac{500}{x} = \frac{2}{8}$

**C** $500 - x = 8 - 2$

**D** $500 + 8 = x + 2$

**5.** Arnold has a picture frame with a width of 8 inches and a height of 6 inches. Which proportion could be used to calculate the dimensions of a smaller frame with a width of 5 inches, that is similar to the larger one?

**A** $\frac{8}{6} = \frac{5}{x}$

**B** $\frac{8}{6} = \frac{x}{5}$

**C** $\frac{6}{5} = \frac{x}{8}$

**D** $\frac{8}{x} = \frac{5}{6}$

**6.** Professor Smith has a total of 250 students, $\frac{3}{5}$ of whom are female. If $x$ represents the number of female students, which of the following could be used to find $x$?

**A** $\frac{3}{5} = \frac{x}{250}$

**B** $\frac{3}{x} = \frac{250}{5}$

**C** $\frac{3}{5} = \frac{250}{x}$

**D** $\frac{2}{5} = \frac{x}{250}$

**7.** Shana bought 8 apples for $4 during a sale at her neighborhood market. Which proportion can be used to calculate the expected cost of 12 apples?

**A** $\frac{\$4}{8} = \frac{d}{12}$

**B** $\frac{\$4}{12} = \frac{8}{d}$

**C** $\frac{8}{d} = \frac{12}{\$4}$

**D** $\frac{d}{12} = \frac{8}{\$4}$

**8.** Aaron's grandparents agreed to donate $3 each time he runs 2 laps at his school's Booster-thon Fun Run event. Which proportion can Aaron use to determine how many laps he must run in order to earn $30 for his school?

**A** $\frac{2}{\$3} = \frac{l}{\$30}$

**B** $\frac{2}{\$30} = \frac{\$3}{l}$

**C** $\frac{l}{2} = \frac{\$3}{\$30}$

**D** $\frac{l}{\$30} = \frac{\$3}{2}$