Name_____

CALCULATING UNIT RATES #1

Directions: One of the most reliable ways to find a *unit rate* is by setting up and solving a proportion. Find the *unit rates* for each of the situations below. For this worksheet, the proportions have already been set up for you.

Example: $\frac{10\,pts.}{\frac{1}{2}\,game} = \frac{x}{1 game}$ $\qquad \frac{1}{2}x = 10$ $\qquad$ **x = 20 points/game**

	PROPORTION	**EQUATION**	**SOLUTION**
1)	$\frac{13 \text{ points}}{\frac{1}{2} \text{ game}} = \frac{x}{1 \text{ game}}$	$\frac{1}{2}x = 13$	**_____ points/game**
2)	$\frac{\$7}{\frac{1}{3} \text{ hour}} = \frac{x}{1 \text{ hour}}$		
3)	$\frac{2 \text{ laps}}{\frac{1}{4} \text{minute}} = \frac{x}{1 \text{ minute}}$		
4)	$\frac{3 \text{ miles}}{\frac{1}{5} \text{minute}} = \frac{x}{1 \text{ minute}}$		
5)	$\frac{6 \text{ degrees}}{\frac{2}{3} \text{day}} = \frac{x}{1 \text{ day}}$		
6)	$\frac{5 \text{ books}}{\frac{2}{5} \text{month}} = \frac{x}{1 \text{ month}}$		
7)	$\frac{9 \text{ gallons}}{\frac{3}{4} \text{hour}} = \frac{x}{1 \text{ hour}}$		
8)	$\frac{12 \text{ miles}}{\frac{4}{5} \text{hour}} = \frac{x}{1 \text{ hour}}$		
9)	$\frac{6 \text{ calls}}{\frac{1}{10} \text{day}} = \frac{x}{1 \text{ day}}$		