

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: $\frac{10 \text{ pts.}}{\frac{1}{2} \text{ game}} = \frac{x}{1 \text{ game}}$ $\frac{1}{2}x = 10$ $x = 20 \text{ points/game}$

<u>PROPORTION</u>	<u>EQUATION</u>	<u>SOLUTION</u>
1) $\frac{13 \text{ points}}{\frac{1}{2} \text{ game}} = \frac{x}{1 \text{ game}}$	$\frac{1}{2}x = 13$	<u>points/game</u>
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) $\frac{6 \text{ calls}}{\frac{1}{10} \text{ day}} = \frac{x}{1 \text{ day}}$		_____