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: $\dfrac{80\,pts.}{2\,games} = \dfrac{x}{1\,game}$ $2x = 80$ **x = 40 points/game**

PROPORTION	**EQUATION**	**SOLUTION**
1) $\dfrac{90 \text{ points}}{3 \text{ games}} = \dfrac{x}{1 \text{ game}}$	__**3x =**_____	_____**points/game**_
2) $\dfrac{\$100}{5 \text{ hours}} = \dfrac{x}{1 \text{ hour}}$	_____	_____
3) $\dfrac{18 \text{ laps}}{6 \text{ minutes}} = \dfrac{x}{1 \text{ minute}}$	_____	_____
4) $\dfrac{72 \text{ miles}}{12 \text{ minutes}} = \dfrac{x}{1 \text{ minute}}$	_____	_____
5) $\dfrac{45 \text{ degrees}}{3 \text{ days}} = \dfrac{x}{1 \text{ day}}$	_____	_____
6) $\dfrac{91 \text{ books}}{13 \text{ months}} = \dfrac{x}{1 \text{ month}}$	_____	_____
7) $\dfrac{55 \text{ gallons}}{5 \text{ hours}} = \dfrac{x}{1 \text{ hour}}$	_____	_____
8) $\dfrac{88 \text{ miles}}{4 \text{ hours}} = \dfrac{x}{1 \text{ hour}}$	_____	_____
9) $\dfrac{132 \text{ calls}}{11 \text{ days}} = \dfrac{x}{1 \text{ day}}$	_____	_____
10) $\dfrac{95 \text{ feet}}{5 \text{ seconds}} = \dfrac{x}{1 \text{ second}}$	_____	_____