

Name _____

CALCULATING UNIT RATES #2

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: $\frac{80 \text{ pts.}}{2 \text{ games}} = \frac{x}{1 \text{ game}}$ $2x = 80$ $x = 40 \text{ points/game}$

<u>PROPORTION</u>	<u>EQUATION</u>	<u>SOLUTION</u>
1) $\frac{272 \text{ points}}{8 \text{ games}} = \frac{x}{1 \text{ game}}$	<u>8x =</u>	<u>points/game</u>
2) $\frac{\$630}{15 \text{ hours}} = \frac{x}{1 \text{ hour}}$	<u> </u>	<u> </u>
3) $\frac{164 \text{ laps}}{41 \text{ minutes}} = \frac{x}{1 \text{ minute}}$	<u> </u>	<u> </u>
4) $\frac{923 \text{ miles}}{23 \text{ minutes}} = \frac{x}{1 \text{ minute}}$	<u> </u>	<u> </u>
5) $\frac{90 \text{ degrees}}{6 \text{ days}} = \frac{x}{1 \text{ day}}$	<u> </u>	<u> </u>
6) $\frac{76 \text{ books}}{4 \text{ months}} = \frac{x}{1 \text{ month}}$	<u> </u>	<u> </u>
7) $\frac{135 \text{ gallons}}{5 \text{ hour}} = \frac{x}{1 \text{ hour}}$	<u> </u>	<u> </u>
8) $\frac{488 \text{ miles}}{8 \text{ hours}} = \frac{x}{1 \text{ hour}}$	<u> </u>	<u> </u>
9) $\frac{264 \text{ calls}}{11 \text{ days}} = \frac{x}{1 \text{ day}}$	<u> </u>	<u> </u>
10) $\frac{615 \text{ feet}}{5 \text{ second}} = \frac{x}{1 \text{ second}}$	<u> </u>	<u> </u>