Name $\qquad$

## CALCULATING UNIT RATES \#3

Directions: For each problem below, set up a proportion to represent the situation. Then solve the proportion to find the unit rate.
Example: Malcolm scored 80 points in two games. How many points per game did he score?

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

1) Travis scored 780 points in 30 games. How many points per game did he score?

Proportion: $\quad \frac{780 \text { points }}{? \text { games }}=\frac{x}{1 \text { game }}$
Solution: $\qquad$
2) Emma earned $\$ 456$ in 38 hours. How much did she earn per hour?

Proportion: $\quad \frac{? \text { dollars }}{38 \text { hours }}=\frac{x}{1 \text { hour }}$
Solution: $\qquad$
3) Jacob drove 66 laps in 33 minutes. How many laps per minute did he run?

Proportion: $\quad \frac{66 \text { laps }}{33 \text { minutes }}=\frac{x}{? \text { minute }}$
Solution: $\qquad$
4) Madison flew 1,899 miles in 211 minutes. How many miles per minute did she fly?

Proportion: $\quad \frac{1,899 \text { miles }}{211 \text { minutes }}=\frac{?}{1 \text { minute }}$
Solution: $\qquad$
5) The temperature dropped 36 degrees in 4 days. How many degrees per day did the temperature drop?

Proportion: $\quad \frac{\text { ? degrees }}{\text { ? days }}=\frac{x}{1 \text { day }}$
Solution: $\qquad$
6) Sophia read 143 books in 13 months. How many books per month did she read?

Proportion: $\quad \frac{\text { ? books }}{\text { ? months }}=\frac{x}{1 \text { month }}$
Solution: $\qquad$
7) Nicholas filled his 252 gallon pool with water in 4 hours. How many gallons per hour did he use?

Proportion: $\quad \frac{252 \text { gallons }}{? \text { hours }}=\frac{x}{? \text { hour }}$
Solution: $\qquad$
8) Olivia drove 1,136 miles in 16 hours. What was her speed in miles per hour?

Proportion: $\quad \frac{? \text { miles }}{16 \text { hours }}=\frac{x}{\text { ? hour }}$
Solution: $\qquad$
9) Matthew made 589 calls in 31 days. What is the average number of calls he made in a day?

Proportion: $\quad \frac{\text { ? calls }}{\text { ? days }}=\frac{x}{\text { ? day }}$
Solution: $\qquad$
10) Hannah's plane climbed 3,975 feet in 75 seconds. How fast did her plane climb every second?

Proportion: $\quad \frac{\text { ? feet }}{\text { ? seconds }}=\frac{\text { ? }}{\text { ? second }}$
Solution: $\qquad$

