

Name \_\_\_\_\_

### CALCULATING UNIT RATES #4

**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?

$$\frac{80 \text{ pts.}}{2 \text{ games}} = \frac{x}{1 \text{ game}}$$

$$2x = 80$$

$$x = 40 \text{ points/game}$$

- 1) Aiden scored 228 points in 12 games. How many points per game did he score?

*Proportion:*

*Solution:* \_\_\_\_\_

- 2) Sophia earned \$480 in 32 hours. How much did she earn per hour?

*Proportion:*

*Solution:* \_\_\_\_\_

- 3) Jacob drove 27 laps in 3 minutes. How many laps per minute did he run?

*Proportion:*

*Solution:* \_\_\_\_\_

- 4) Isabella flew 660 miles in 165 minutes. How many miles per minute did she fly?

*Proportion:*

*Solution:* \_\_\_\_\_

- 5) In 3 days, the temperature dropped 27 degrees. How many degrees per day did the temperature drop?

*Proportion:*

*Solution:* \_\_\_\_\_

- 6) Ava read 105 books in 15 months. How many books per month did she read?

*Proportion:*

*Solution:* \_\_\_\_\_

- 7) Jayden filled his 288 gallon pool with water in 6 hours. How many gallons per hour did he use?

*Proportion:*

*Solution:* \_\_\_\_\_

- 8) Addison drove 1,170 miles in 18 hours. What was her speed in miles per hour?

*Proportion:*

*Solution:* \_\_\_\_\_

- 9) Jackson made 468 calls in 36 days. What is the average number of calls he made in a day?

*Proportion:*

*Solution:* \_\_\_\_\_

- 10) Hailey's plane climbed 3,690 feet in 90 seconds. How fast did her plane climb every second?

*Proportion:*

*Solution:* \_\_\_\_\_