

~~#6~~

#14

NAME Answer

DATE _____

PERIOD _____

**PRE-ALGEBRA
PRACTICE WITH DISTANCE, RATE, TIME**

1. Mr. Hodne rode a motorcycle 420 miles from Los Angeles to Phoenix this summer at a rate of 40 miles per hour. How many hours did he ride?

$$D = RT$$

$$T = D \div R$$

$$T = 420 \div 40$$

$$T = \boxed{10.5 \text{ hrs}}$$

2. The fastest bicyclist in school rode for 7 hours at 12.3 miles per hour. How far did the cyclist go?

$$D = RT$$

$$D = (12.3)(7)$$

$$D = \boxed{86.1 \text{ miles}}$$

3. You rode your skateboard at an average speed of 6.4 miles per hour for 5 hours. How far did you ride?

$$D = RT$$

$$D = (6.4)(5)$$

$$D = \boxed{32 \text{ miles}}$$

4. You rode your skateboard 24.3 miles in 9 hours. What was your average speed?

$$D = RT$$

$$R = D \div T$$

$$R = 24.3 \div 9$$

$$R = \boxed{2.7 \text{ miles/hr.}}$$

5. The Boy Scouts leader hiked a trail that was 96 miles long in 40 hours. What was his average speed?

$$R = D \div T$$

$$= 96 \div 40$$

$$= \boxed{2.4 \text{ miles/hr.}}$$

6. A cross-country runner traveled for 7 hours at 15.3 miles per hour. How far did the runner go?

$$\begin{aligned} D &= RT \\ &= (15.3)(7) \\ &= 107.1 \text{ miles} \end{aligned}$$

7. How long did a boy run who ran 30 miles at the rate of 6 miles per hour?

$$\begin{aligned} D &= RT \\ T &= D \div R \\ &= 30 \div 6 \\ &= 5 \text{ hrs} \end{aligned}$$