

Practice 6-2 Unit Rates and Proportional Reasoning

FS
TOS
IP

$\frac{250 \text{ mi}}{5 \text{ hr}} = \frac{x \text{ mi}}{1 \text{ hr}}$ Write the unit rate for each situation.

- | | |
|--------------------------------------------|----------------------------------------------|
| 1. travel 250 mi in 5 h
_____ | 2. earn \$75.20 in 8 h
_____ |
| 3. read 80 pages in 2 h
_____ | 4. type 8,580 words in 2 h 45 min
_____ |
| 5. manufacture 2,488 parts in 8 h
_____ | 6. 50 copies of a book on 2 shelves
_____ |
| 7. \$30 for 6 books
_____ | 8. 24 points in 3 games
_____ |

Find each unit price. Then determine the better buy.

- | | |
|------------------------------------------------------------------|---------------------------------------------------------------|
| 9. paper: 100 sheets for \$.99
500 sheets for \$4.29
_____ | 10. peanuts: 1 lb for \$1.29
12 oz for \$.95
_____ |
| 11. crackers: 15 oz for \$1.79
12 oz for \$1.49
_____ | 12. apples: 3 lb for \$1.89
5 lb for \$2.49
_____ |
| 13. mechanical pencils: 4 for \$1.25
25 for \$5.69
_____ | 14. bagels: 4 for \$.89
6 for \$1.39
_____ |
| 15. orange juice: 12 oz for \$1.49
16 oz for \$1.89
_____ | 16. socks: 3 pairs for \$4.29
8 pairs for \$10.79
_____ |

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17) A water faucet leaked $3\frac{2}{4}$ liters of water every $\frac{1}{6}$ of an hour. It leaked at a rate of how many liters per hour?