

Rates and Unit Rates

Write each as a unit rate.

1. 120 mi to 10 gal of gas

2. 45 pages in 30 min

3. 500 mi in 25 hr

4. \$12.00 for 3 lb

Which is the better buy?

5. 1 lb of apples for \$1.98 or
-
- 3 lb for \$6.95

6. 5 lb of flour for \$0.90 or
-
- 8 lb for \$1.25

Which is the lower rate?

7. 44 people in 4 theaters or 100 people in 10 theaters

8. 8 cashiers for 96 people or 2 cashiers for 20 people

- 9.
- Number Sense**
- What makes a unit rate different from other rates?

10. NASA's space shuttle orbits Earth
-
- 1 time in 90 minutes. How many times would
-
- the space shuttle orbit Earth in 6 hours? _____

Test Prep

11. Which is the unit rate for 39 people in 3 vans?

A. 39 people per van

B. 13 vans per person

C. 13 people per van

D. 3 people per van

- 12.
- Writing in Math**
- Explain how you could convert a rate of miles
-
- per hour to a rate of miles per second.
