



Finding Unit Rates

Unit Rate – A rate that is expressed as a quantity of one.

Example:

A retail store sells five shirts for \$35.60. What is the unit price of a shirt?

$$\frac{35.60}{5} = \frac{7.12}{1} . \text{ Therefore, the unit price of a shirt is } \$7.12.$$

Find the unit rate for the following problems.

1. A box of twenty-four cookies costs \$16.32 (find the price for one cookie).
2. An employee is paid \$70 for an eight hour workday (find the pay for one hour).
3. Seven buses hold a total of 231 people (find how many people one bus holds).

Find which is the better buy.

1. Two liters of soda for \$8.20 or three liters for \$12.
2. 14 gallons of gas for \$54.60 or 23 gallons for \$94.76.
3. A 4-pack of AA batteries for \$2.79 or a 12-pack for \$8.64.

Find which is the best buy.

1. 32 fl oz of shampoo for \$3.84
28 fl oz of shampoo for \$3.08
24 fl oz of shampoo for \$3.12
2. 50 lbs of dog food for \$19.50
30 lbs of dog food for \$28.80
46 lbs of dog food for \$22.54