

# Rates and Unit Rates

A **rate** is a kind of ratio. Rates compare two numbers with different units of measurement, such as price and quantity.

A **unit rate** is a kind of rate that compares one number to a single unit of the other number.

**example:** A pack of 5 cookies is \$2.

**As a rate:**

$$\frac{5 \text{ cookies}}{\$2}$$

**As a unit rate:**

$$\frac{2.5 \text{ cookies}}{\$1}$$

*Note: like all ratios, rates and unit rates can be expressed two ways, e.g., \$2 per 5 cookies and a unit rate of \$0.40 per 1 cookie.*



# Preview

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c. 6 parts soup to 8 parts water  
**rate:**

**unit rate:**

d. 12 hours studying over 5 days  
**rate:**

**unit rate:**

# Rates and Unit Rates

- e. \$20.80 spent on 4 milkshakes

rate:

unit rate:

- f. 5 meters of fabric for \$50

rate:

unit rate:

- g. 10.5 minutes to run 3 laps

rate:

- h. 26.25 hours to make 7 drawings

rate:



- i. 45 pizza slices eaten by 30 kids

rate:

unit rate:

- j. 165 calories burned in 30 minutes

rate:

unit rate:

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## Rates and Unit Rates

e. \$20.80 spent on 4 milkshakes

rate: \$20.80

f. 5 meters of fabric for \$50

rate: 5 meters

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1 kid

1 minute