



Unit Price





Unit Price

The cost of one unit; a rate expressed as a fraction in which the denominator is 1.

Example:

Five JMH mugs cost \$15.25.

The unit price is :

$$\frac{\$15.25}{5} = \$3.05/\text{mug}$$

Remember !!

Price

Unit



Unit Rate

The rate or cost for one item or unit.

Example:

A factory manager knows that he can produce 24 000 JMH mugs in an 8 hour shift.

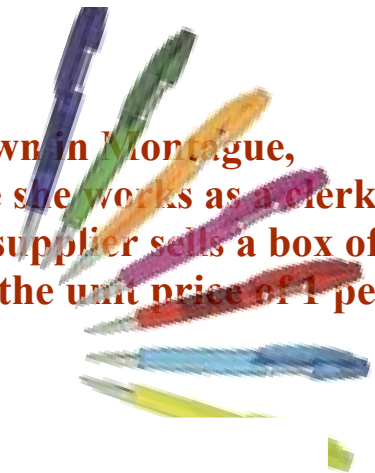
The unit rate is:

$$\frac{24\,000}{8} = 3000 \text{ mugs/h}$$



Example 1:

Rosa buys supplies for the town in Montague, Prince Edward Island, where she works as a clerk. She wants to buy pens. The supplier sells a box of 12 pens for \$6.25. Calculate the unit price of 1 pen.



$$\frac{\text{Price}}{\text{Unit}}$$

$$\frac{6.25}{12}$$

$$= \$0.52/\text{pen}$$

Example 2:



Claire picks fresh strawberries at a U-pick farm in Deep Bight, Newfoundland. If she fills a pint basket (0.5506 litres), it will cost her \$1.50. If she fills a 4-litre ice cream pail, it will cost \$9.00. Which size of container will give her a better buy?



Pint Basket

Price
Unit

$$\frac{1.50}{0.5506}$$

$$= \$2.72/\text{litre}$$

4-litre Pail

Price
Unit

$$\frac{9.00}{4}$$

$$= \$2.25/\text{litre}$$



Pages 26 and 27.
Questions 1 to 7.



