

Name: _____

1. Explain how a \$10 package of paper can be a better deal than a \$5 package of paper.

If there are 500 sheets in the \$10 package and only 100 in the \$5 package

2. A 24-pack of Dr. Pepper costs \$27.00, what is the unit price per can?

$$\frac{\$27}{24} = \$1.13$$

3. John payed \$60.71 for 49 L of gas in Kamloops, Suzy payed \$39.12 for 27 L of gas in Langley.

- a) Which gas station had the lower price?

$$\frac{\$60.71}{49L} = 1.24/L \quad \frac{\$39.12}{27L} = 1.45/L$$

Kamloopis is cheaper

- b) By how much?

$$0.21/L$$

4. Overwaitea sells 225 gram packages of Pistachio nuts for \$3.99, 1000 gram packages of Cashews for 11.99, and bulk mixed nuts for \$1.29 per hundred grams. List the nuts in order from most to least expensive.

$$P \quad \frac{3.99}{225} = 0.018$$

~~Least Expensive~~
P, M, C

$$C \quad \frac{11.99}{1000} = 0.012$$

Most Expensive \rightarrow Least Expensive

$$M \quad \frac{1.29}{100} = 0.013$$

5. Socks are on special, buy 4 pairs get 1 pair free. Each pair of socks costs \$2.29, you pay for 4 pairs of socks, what is the unit price you have paid per pair of sock?

$$\text{Total} = 4 \times 2.29 = \frac{9.16}{5}$$

$$= \$1.83/\text{pair}$$