

1. Hailee charges \$12.00 for a 12" homemade pizza. If it costs her \$6.50 to prepare the pizza, by what percentage did she mark up the price?(% markup)



$$\begin{array}{r} \text{Markup} \\ \text{Org.} \\ \hline 5.50 \\ 6.50 \end{array} = 0.85$$

85%

2. iTunes had a sale on downloading music. You could purchase 20 songs from the top 100 list for \$15.00. How much would you be paying for one song with this deal?(Unit Price)



Price
Unit

$$\frac{\$15.00}{20 \text{ songs}} = 0.75/\text{song}$$

3. A lawnmower's engine uses a mixture of 5 L of gas and 0.5L of oil. How much oil must you mix with 2L of gas to refuel the lawnmower? (proportion/ratios)



Let $x = \text{Oil}$

$\frac{\text{Gas}}{\text{Oil}}$

$$\frac{5}{0.5} = \frac{2}{x}$$

$$\frac{5x}{5} = \frac{1}{5}$$

$$x = 0.2 \text{ L of Oil}$$

4. If the ratio of loaves of white bread sold compared to loaves of whole wheat bread sold is 3:1 and a bakery sells 100 loaves of whole wheat bread in a day, how many loaves of white bread would it sell in a day?
(ratio/ proportion)

Let x = White

$\frac{\text{White}}{\text{WW}}$



$$\frac{3}{1} = \frac{x}{100}$$

$x = 300$ White loaves.

5. a) If you have 5200 pesos, how many Canadian dollars can you exchange them for? (currency exchange)



1 peso is 1.56 CAD

$$\frac{1}{\text{rate}} = \frac{\text{FOR}}{\text{CAD.}}$$

$$\frac{1}{1.56} = \frac{5200}{X}$$
$$X = \$8112 \text{ CAD.}$$

6.



The price of a new HD-PVR is \$600.00.

- How much would a customer pay in Nova Scotia, where they are taxed 15%?
- How much would a customer pay in New Brunswick, where they are taxed 13%?
- How much do you save buying it in New Brunswick?

$$a) \quad 600 \times 1.15 = \$690$$

$$b) \quad 600 \times 1.13 = \$678$$

$$c) \quad 690 - 678 = \$12.00$$

7. Troy sells hockey equipment. He is offering a sale of 30% off all items in the store. Helmets regularly sell for \$29.99 each, shoulder pads for \$39.99, and hockey sticks for \$79.95 each.

How much will it cost to buy 5 helmets, 4 sets of shoulder pads, and 6 hockey sticks?

$$\begin{aligned} \text{Helmets } & 29.99 \times 0.70 = 20.99 \times 5 = 104.95 \\ \text{Shoulder Pads } & 39.99 \times 0.70 = 27.99 \times 4 = 111.96 \\ \text{Hockey Sticks } & 79.95 \times 0.70 = 55.97 \times 6 = 335.82 \\ & \underline{\hspace{10em}} \\ & = \$552.73 \end{aligned}$$

