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)

$$12.00 \text{ selling}$$
$$- \ \ 6.50 \quad \text{cost}$$
$$\$ \ \ 5.50 \leftarrow \text{markup}$$

$$\frac{5.50}{6.50} = 0.84$$
$$= 84\%$$

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)

$$\frac{Price}{Units}$$

$$\frac{\$15.00}{20}$$

$$\$ = 0.75$$

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

$Let \; x = Oil$

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

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

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

$$x = 0.2 L$$

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

$$\frac{White}{Whole\ Wheat}$$

$$\frac{3}{1} \diagdown = \diagup \frac{X}{100}$$

$$X = 300\ White$$

5. The bank buying rate for 1 peso is 1.56 CAD. If you have 5200 pesos, how many Canadian dollars can you exchange them for? (currency exchange)

$$Let \ x = CAD$$

$$\frac{1}{Rate} = \frac{\text{for.}}{CAD}$$

$$\frac{1}{1.56} = \frac{5200}{x}$$

$$x = 8,112 \ CAD$$

6.

The price of a new HD-PVR is $600.00. (Tax)
a) How much would a customer pay in N   %?
b) How much would a customer pay in N   1 13%?
c) How much do you save buying it in Ne

a) 600
   ×1.15
   $690.00

b) 600
   ×1.13
   $678.00

c) 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. *(On Sale)*

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

Helmets $29.99 \times 0.70 = \$20.99$

Shoulder Pads $39.99 \times 0.70 = \$27.99$

hockey Sticks. $79.95 \times 0.70 = \$55.97$

5 Helmets $\Rightarrow 20.99 \times 5 = \$104.95$
4 S.P. $\rightarrow 27.99 \times 4 = \$111.96$
6 Hockey S. $\rightarrow 55.97 \times 6 = \underline{\$359.82}$
$\$576.73$

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   top 100 list for $15.00. How much would you be paying for one song with this
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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)

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?

5. The bank buying rate for 1 peso is 1.56 CAD. If you have 5200 pesos, how many Canadian dollars can you exchange them for? (currency exchange)

6. The price of a new HD-PVR is $600.00.
   a) How much would a customer pay in Nova Scotia, where they are taxed 15%?
   b) How much would a customer pay in New Brunswick, where they are taxed 13%?
   c) How much do you save buying it in New Brunswick?

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?