

6.1 Math 10 AW - notes

Unit Price: - price for 1
 - divide cost (\$) by number of items

* remember: 1000 mL = 1 L
 - 1 kg = 2.21 lb

ex 1

12 eggs for \$3.99

$$\frac{\$3.99}{12} = 3.99 \div 12 = 0.3325 = \$0.33/\text{egg}$$

- round to \$

* means divide *
 cost / 1

ex 2

\$7.00 for 200 mL - cost / L

① find out what 200 mL = in L
 $200 \div 1000 = 0.2\text{L}$

② divide cost (\$) by amount.

$$\$7.00 \div 0.2 = \$35/\text{L}$$

ex 3

\$9.90 / kg cost per lb?

$$9.90 \times 2.21 = \$21.879 \rightarrow \$21.88/\text{lb}$$

6.2 Best buy

- do above to all prices / amounts
- compare & choose lowest price

6.3 Math 10AW - notes

remember - when you have a percent

- ① put % into decimal (\div by 100)
- ② multiply.
- ③ add for increase; subtract for discount.

ex \$700 ; 25% discount

- ① $25 \div 100 = 0.25$
- ② $700 \times 0.25 = 175$
- * discount
so subtract
- ③ $700 - 175 = 525$

To add taxes - multiply then add.
12% tax

- ① $12 \div 100 = 0.12$
- ② $525 \times 0.12 = 63$
- ③ $525 + 63 = \$588$

To Find the percent set up like this:

new price
- original price
→
Price

$$\frac{\text{increase/decrease}}{\text{original price}} = \frac{x}{100} \quad * \text{ multiply diagonally and } \div \text{ by other number}$$

ex original price = \$200 new price = \$240

$$\text{increase} = 240 - 200 = 40$$

$$\frac{40}{200} = \frac{x}{100} \quad (40 \times 100) \div 200 = 20\% \text{ increase.}$$

6.6 Math 10AW - notes

Currency Exchange:

pg 172 - chart; to use the chart

- ① START AT THE TOP ROW
- ② find the type of money you are starting with
- ③ go down until you find the one you want
- ④ MULTIPLY the money by this number

ex 1

\$ 1000 CANADIAN \rightarrow Chinese Yuan

$$\rightarrow 6.602 \times 1000 = 6602 \text{ Yuan}$$

ex 2

\$ 50 000 Mexican Pesos \rightarrow Canadian

$$\rightarrow 0.081 \times 50\,000 = \$4050 \text{ Canadian.}$$

When using other charts:

Bank buying rate = when you have money that is not Canadian

Bank selling rate = when you start with Canadian money