C:\Users\gill_narinder\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\5LM692JY\MC900335947[1].wmfREVIEW: Unit 1

1. Some computer monitors have an aspect ratio of 4:3. This means that for every 4 inches of width, the monitor is 3 inches high. Calculate the width of a monitor that is 24 inches high.

X = 32

2. High End Games video game store makes a profit of $1475.00 on the sale of 220 games. How much profit would the store make on the sale of 150 games?

$1005.68

3. A cement masonry apprentice earns $375.00 for 16 hours worked. Write this as a unit rate.

$23.44

4. One type of fabric costs $8.78 for 1 m of fabric and another costs $42.25 for 5 m of fabric. Which fabric has the lower cost per metre?

$8.45/m

The 2nd one.

5. Raul is buying chicken wire that he will use to reinforce concrete in a retaining wall. He can buy a 25-ft roll for $17.72, a 50-ft roll for $39.25, or a 100-ft roll for $72.70. Which is the best buy?

The 25 ft. roll.

6. The retail price of a refrigerator is $1719.00. Calculate the PST, the GST, and the final price if the refrigerator is sold in Manitoba.

|  |  |  |
| --- | --- | --- |
| **Tax Rates** | | |
|  | **PST** | **GST** |
| Alberta | 0% | 5% |
| British Columbia | HST 12% | |
| Manitoba | 7% | 5% |
| Northwest Territories | 0% | 5% |
| Nunavut | 0% | 5%  $1925.28 |
| Saskatchewan | 5% | 5% |
| Yukon | 0% | 5% |

7. The Grow In is a local organic food store. The store buys berries from local farmers for $3.49/L and marks up the price by 50%.

If the farmers increase their price to $4.19/L but the store uses the same markup rate, what will be the retail price of the berries?

$6.29/L

8. A store sells 25 board games for $53.95 each.

a) How much more money would the store make if it sold the same number of board games for $58.95 each?

$125.00 more

b) What would be the percent increase in price?

9.3 %

c) Why might the store not want to increase the price of its board games?

9. The cost of a new sledge hammer is $42.99. It is on sale for $32.24. What is the discount, as a percent?

25 %

10. The cost of purchasing bathtubs at a wholesaler depends on the number you buy.

If you buy fewer than 5 bathtubs, they cost the regular price of $399.99.

If you buy 6 to 10 bathtubs, you get a discount of 7%.

If you buy 11 to 20 bathtubs, you get a discount of 16%.

Calculate how much it would cost to buy 16 bathtubs in Alberta, where 5% GST is applied.

$5644.63

11. Victor is renting a hotel room for 7 nights in Spain. The cost of the hotel room is 90.00 euros per night. Victor exchanges his Canadian dollars for euros before he leaves Canada. The bank buys euros at $1.58057 CAD and sells euros at $1.64876 CAD. How much will the hotel cost him, in Canadian dollars?

$1038.72 CAD

12. The listed price of a car in Korea is 33 500 000 won. How much does the car cost in Canadian currency if 1 won is worth $0.000 774 CAD?

$25929 CAD

13. Using the following exchange rates, calculate how much foreign currency you would receive for $1025.00 CAD.

a) 1 Brazilian real (BRL) is worth $0.6578 CAD.

1558 BRL

b) 1 Cayman Islands dollar (KYD) is worth $1.500 CAD.

683 KYD

c) 1 euro is worth $1.6877 CAD.

607 euros

14. You have 1500 zloty, 844 kroon, and 496 USD. How much is that worth in Canadian dollars?

|  |  |  |  |
| --- | --- | --- | --- |
| **Canadian Bank Foreign Exchange Rates for Buying and Selling** | | | |
| **Country** | **Currency** | **Buying Rate** | **Selling Rate** |
| Estonia | Kroon (EEK) | 0.079 54 | 0.099 56 |
| Poland | Zloty (PLN) | 0.3234 | 0.3933 |
| United States | Dollar (USD) | 1.1210 | 1.1810 |

$1108.25