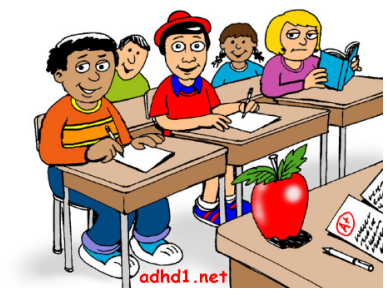
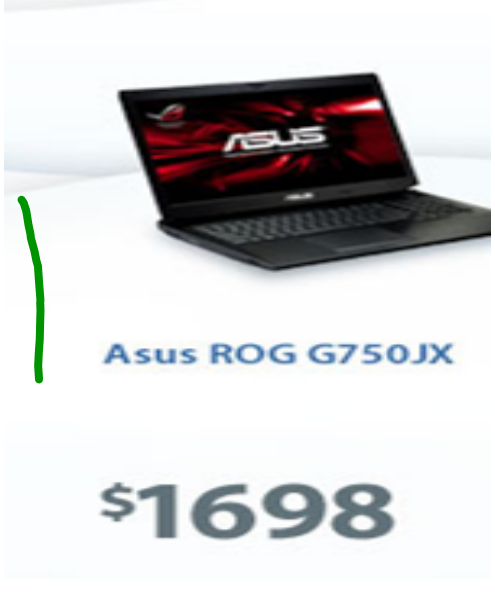
Warm Up Gr 8

Date: _____

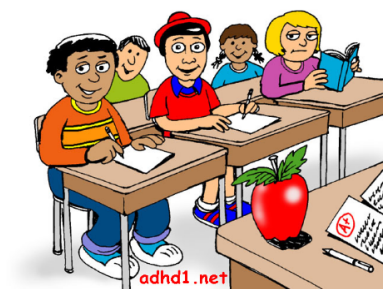




Find the total price including tax to buy this in NB.

Warm Up Gr 8

Date: _____





Asus ROG G750JX

$1698

Find the total price including tax to buy this in NB.

Tax$ = 15% of Price

= 0.15 x $1698

= $254.70

Total w tax = Price + tax $

= $1698 + 254.70

= $1952.70

WS solutions

1. Find the amount of sales tax required in NB, for the following items:

(a) a desk $79

(b) A Box of chocolates $9.95

(c) a TV $ 890.99

(d) a pair of sneakers $129.98

1a) Tax = 15% of $79

= 0.15 x $79

= $11.85

1b) Tax = 15% of $9.95

= 0.15 x $9.95

= $1.49

1c) Tax = 15% of $890.99

= 0.15 x $890.99

= $133.65

1d) Tax = 15% of $129.98

= 0.15 x $129.98

= $19.50

Homework Solutions

(a) a phone $ 74.50
(b) a pair of gloves $ 7.65
(c) a T-Shirt $ 27.45
(d) a supper $ 12.35
(e) A coat $45.67
(f) sled $ 24.99
(g) Furby $64.60
(h) a PVR $ 312.15
(i) Kids Snow suit $89.99
(j) a popcorn $5.39

2a) Tax = 15% of $74.50

= 0.15 x $74.5

= $11.18

Total costs = Price + tax

= $74.50 + $11.18

= $86.68

b) Tax = 15% of $7.65

= 0.15 x $7.65

= $1.15

Total costs = Price + tax

= $7.65 + $1.15

= $8

c) Tax = 15% of $27.45

= 0.15 x $27.45

= $4.12

Total costs = Price + tax

= $27.45 + $4.12

= $3

d) Tax = 15% of $12.35

= 0.15 x $12.35

= $1.85

Total costs = Price + tax

= $12.35 + $1.85

= $

e) Tax = 15% of $45.67

= 0.15 x $45.67

= $6.85

Total costs = Price + tax

= $45.67 + $6.85

= $

f) Tax = 15% of $48.74

= 0.15 x $24.99

= $3.75

Total costs = Price + tax

= $24.99 + $

= $28

g) Tax = 15% of $64.60

= 0.15 x $64.60

= $9.69

Total costs = Price + tax

= $64.60 + $9.69

= $

h) Tax = 15% of $312.15

= 0.15 x $312.15

= $46.82

Total costs = Price + tax

= $312.15

= $358.97

i) Tax = 15% of $89.99

= 0.15 x $89.99

= $13.50

Total costs = Price + tax

= $89.99 + $13.50

= $103.49

j) Tax = 15% of $5.39

= 0.15 x $5.39

= $0.81

Total costs = Price + tax

= $5.39 + $0.81

= $6.28

Discount and Sales Price

A discount is when they reduce the amount of an item or they put an item on sale

****Always change % to decimal before using****

Amount SAVED = % of discount x Regular Price

$ or amount discounted (Change to decimal) **x Regular Price**

Sale Price = Regular Price – Amount of SAVED

Example 1)

A stereo regularly sells for $149.99, but it is on sale for 20% off.

(a) Find the amount of discount

(b) Find the sale price

(a) Amt. of Discount = Rate of discount x Regular price

= 20 % of 149.99

= 0.2 x 149.99

= 30

$ Saved = 20 % x 149.99

÷100

0.20 x 149.99

= $29.998

= $30.00

Sale Price = Regular Price - Amt. of Discount

= 149.99 - 30

= $119.99

= 149.99 − $30.00

$ 119.99

2. A jacket that regularly sells for $72.50 is discounted by 15%. What is the sale price?

Regular Price — Rate of discount

$\$ \text{Saved} = \text{Rate of Discount} \times \text{Regular Price}$ — Dis.

$= 15\% \times \$72.50$

$= \div 100 \downarrow$

$= 0.15 \times 72.50$

$= \$10.875$

$= \$10.88$

$\text{Sales Price} = \text{Regular Price} - \$\text{Saved}$

$= 72.50 - \$10.88$

$= \$61.62$

Security Cameras Regular cost $299.99 but are going on sale for 30% off.

a) What is the amount saved?

b) What is the sales price?

c) What is the Tax on the price?

d) What is the cost with tax?

a) $ Saved = % x Price

= 30% x $299.99

= 0.30 x $299.99

= $89.99

= $90.00

b) Sales Price = Reg Price − $ Saved

= $299.99 − $90.00

= $209.99

c) Tax $ =

Tax = 15 % of 209.99

= 0.15 x 209.99

= 31.50

d)

Total Cost = Price + Tax

= $209.99 + $31.50

= $241.49

200
No Tax
Pay $200

15% off
0.15 x 200 = 30
Sale Price = 200 - 30 = $170

Tax = 15% of 170
= 25.50

Cost w tax = 170 + 25.50
= 195.50

You try ·

Ex 2) A movie is regularly $19.99. If it goes on sale for 8% off then what is sales price? (Show all work)

$\$\text{Saved} = \%_{\text{Rak}} \times \text{Reg Price}$

$8\% \times \$19.99$ (÷100)

0.08×19.99

$\$1.5992$

$= \$1.60$

$\text{SalesPrice} = \text{Reg Price} - \$\text{Saved}$

$= 19.99 - 1.60$

$= \$18.39$

Homework Sheet 247 # 1 , 2, 3

1.Calculate the sale price if you have 30% off of $29.99

$ Saved

Sales Price

2) For each of the following calculate the discount only. → $ Saved

1.40% off 9.98 b. 96% off $5 c. 1% off $17.60 d. 10% off $19.95

5% off 3.25

f. 20% off $87.49 g. 29% off $1500 h. 33.3% off $15

3) A $7.99 t-shirt is on sale for 50% off. Fred buys 6 t-shirts how much does he save?

$ Saved = % x Reg price