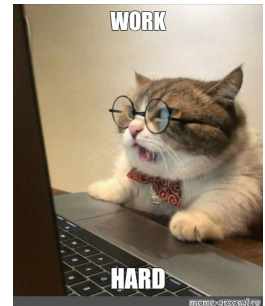


## Warm Up Gr 8

Date: Oct. 21



1) Find the total price of the Tide?

Tide Coldwater 64 Use

★★★★★ 2 Reviews

\$15<sup>95</sup>

$$\begin{aligned}
 &\text{Tax} = 15\% \text{ of Price} \\
 &\quad \downarrow \text{change} \\
 &0.15 \times \$15.95 \\
 &= \boxed{2.3925} \\
 &= \$2.39
 \end{aligned}
 \left. \begin{array}{l} \\ \\ \\ \\ \\ \end{array} \right\} \begin{array}{l} \text{Cost w tax} \\ = \text{Price} + \text{tax} \\ 15.95 + 2.39 \\ \$18.34 \end{array}$$

1a) \$1499

sales tax = 15% of \$1499  
 = 0.15 x \$1499  
 = \$224.85

$$\begin{array}{r}
 \overset{2}{1} \overset{4}{9} \overset{9}{9} \\
 \times 0.15 \\
 \hline
 7495 \\
 + 14990 \\
 \hline
 224.85
 \end{array}$$

10% of \$1499 = \$149.90  
 5% of \$1499 = \$ 74.95  
15% of \$24 = \$224.85

1b) 18.97

sales tax = 15% of \$18.97  
 = 0.15 x \$18.97  
 = \$2.85

$$\begin{array}{r}
 \overset{2}{1} \overset{8}{9} \overset{7}{7} \\
 \times 0.15 \\
 \hline
 9485 \\
 + 18970 \\
 \hline
 28455
 \end{array}$$

10% of \$18.97 = \$1.90  
 5% of \$18.97 = \$0.95  
15% of \$24 = \$2.85

1c) Book \$24      Sales tax = 15% of \$24

$$= 0.15 \times \$24$$
$$= \$3.60$$

10% of \$24 = \$2.40

5% of \$24 = \$1.20

15% of \$24 = \$3.60

1d) 79.95      Sales tax = 15% of \$79.95

$$= 0.15 \times \$79.95$$
$$= \$12.00$$

10% of \$79.95 = \$8.00

5% of \$79.95 = \$4.00

15% of \$24 = \$12.00

## Homework Solutions

- 2a) Tax = 15% of \$49.50  
=  $0.15 \times \$49.50$   
= \$7.425 or \$7.43
- Total costs = Price + tax  
=  $\$49.50 + \$7.43$   
= \$56.93
- b) Tax = 15% of \$12.39  
=  $0.15 \times \$12.39$   
= \$1.8585 or \$1.86
- Total costs = Price + tax  
=  $\$12.39 + \$1.86$   
= \$14.25
- c) Tax = 15% of \$2457  
=  $0.15 \times \$2457$   
= \$368.55
- Total costs = Price + tax  
=  $\$2457 + \$368.55$   
= \$2825.55
- d) Tax = 15% of \$15.65  
=  $0.15 \times \$15.65$   
= \$2.35
- Total costs = Price + tax  
=  $\$15.65 + \$2.35$   
= \$18.00
- e) Tax = 15% of \$62.99  
=  $0.15 \times \$62.99$   
= \$9.45
- Total costs = Price + tax  
=  $62.99 + \$9.45$   
= \$72.44
- f) Tax = 15% of \$48.74  
=  $0.15 \times \$48.74$   
= \$7.31
- Total costs = Price + tax  
=  $\$48.74 + \$7.31$   
= \$56.05
- g) Tax = 15% of \$129.99  
=  $0.15 \times \$129.99$   
= \$19.50
- Total costs = Price + tax  
=  $\$129.99 + \$19.50$   
= \$149.49
- h) Tax = 15% of \$249.99  
=  $0.15 \times \$249.99$   
= \$37.50
- Total costs = Price + tax  
=  $\$249.99 + \$37.50$   
= \$287.49
- i) Tax = 15% of \$39.99  
=  $0.15 \times \$39.99$   
= \$5.9985 or \$6.00
- Total costs = Price + tax  
=  $\$39.99 + \$6.00$   
= \$45.99
- j) Tax = 15% of \$25.87  
=  $0.15 \times \$25.87$   
= \$3.88
- Total costs = Price + tax  
=  $\$25.87 + \$3.88$   
= \$29.75

Sales Tax and Total Price (day 2- Method 2) Use decimals

Starter City 20"  
Backpack - Black  
Contains compression str

★★★★☆ 1 Review

\$19

Find the total price of the back pack including tax.

Step 1) Sales Tax = 15% of PRICE

$$\begin{array}{l} \downarrow \\ 0.15 \times \$19 \\ \$2.85 \end{array}$$

Step 2) Total = Sales tax + Price

$$\begin{array}{l} \$19. + \$2.85 \\ \$21.85 \end{array}$$

## Your Turn



Black & Decker  
Stainless Steel 2-Slice™

\$29.50

Find the price of the toaster including tax.

$$\begin{aligned}\text{Tax} &= 15\% \text{ of Price} \\ &= 0.15 \times \$29.50 \\ &= \boxed{\$4.425} \\ &= \$4.43\end{aligned}$$

$$\begin{aligned}\text{Cost w tax} &= \text{Price} + \text{Tax} \\ &= 29.50 + \$4.43 \\ &= \$33.93\end{aligned}$$

## Sales Tax Day 2

## NEW sheet Different from yesterday

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

$$\begin{aligned} &15\% \text{ of Price} \\ &0.15 \times \underline{\quad} \\ &= \$ \end{aligned}$$

2. (A) Find the amount of sales tax you are required to pay in NB?

(B) Find the total cost of the items.

(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

$$\text{Tax} = 0.15 \times \text{Price}$$

$$\text{cost w tax} = \text{Price} + \text{Tax}$$