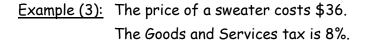
Corner Brook Intermediate Math 7 Unit 3: Fractions, Decimals and Percents

| Solving Percent Problems   |                          |                                   |
|--|--------------------------|-----------------------------------|
| Example (1): Find each of the following percentages.                         |                          |                                   |
| A. $15\%$ of 32<br>O.15 x 32   | B. 2% of 12<br>0.02 × 12 | ()change<br>percent to<br>decimal |
| <b>.</b> 4.8   | 0.24                     | (2) of mean                       |
| , 4.8<br>•15<br>v??  | 12                       | Multiply                          |
| <u>x32</u>   | <u>x0.02</u>             | 3 use decimal                     |
| 1450<br>480  | .24                      | Multiplication                    |
|  |                          | rules                             |
| Example (2): A jacket originally cost \$48.00.<br>It is on sale for 25% off. |                          | - treat as whole                  |
|  |                          | Ψ'ς                               |
| A. What is the discount dollar amount?<br>Discount is 25% of 34              | 0 0                      | -last stepplace<br>decimal.       |
|  |                          | 000000                            |
| Discount = 0.25 X 48   | <u>X48</u>               |                                   |
| =\$12  | 700                      |                                   |
|  | +1000                    | $\sim$                            |
| B. What is the sale price of the jacket $\mathbf{S}$                         | ? 12••                   | ("i5" means                       |
| Sale Price = Original Amoun  | t-Discount               | Z equal                           |
| = 48-12  |                          |                                   |
| = \$36   |                          |                                   |
| - #36  |                          |                                   |



A. Find the dollar amount of taxes. Tax is  $8\% \circ f #36$ Tax = 0.08 x 36 = \$2.88

B. Find the total amount paid.

Total Cost = Original amount + taxes  
= 
$$36 + 2.88$$
  
=  $$38.88$   
Add/Sub Decimals  
-line up decimals  
-use zeros as place  
but

- USC holders.