

2.8 Solving Percent Problems Using Decimals



Working with Discounts and Sales Tax

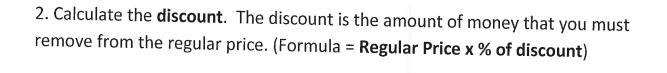
<u>Sample Question:</u> Robert wants to buy an iPod. He sees an ad in this week's Best Buy flyer that shows that the iPod cost \$119.95 at regular price but is an additional 20% off this week only. He would also have to pay 13% in taxes. He has saved \$115.00 from snow removal. Does Robert have enough money to buy the iPod?

Steps to following when determining the sale price:

- Record all important information from the problem. (don't include any useless information)
- Calculate the discount. The discount is the amount of money that you
 must remove from the regular price. (Formula = Regular Price x % of
 discount)
- 3. Calculate the sale price. (Formula = Regular Price The Discount)
- 4. Calculate the taxes (Formula = Sale Price x % of taxes)
- 5. Calculate the **purchase price**. (Formula = **Sale Price + Taxes**)

Complete the five steps above to answer the question:

1. Record all **important information** from the problem. (**don't** include an useless information)



3. Calculate the sale price. (Formula = Regular Price – The Discount)

4. Calculate the taxes (Formula = Sale Price x % of taxes)

5. Calculate the **purchase price**. (Formula = **Sale Price + Taxes**)