



2.8 Solving Percent Problems Using Decimals



Working with Discounts and Sales Tax

Sample Question: 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:

1. Record all **important information** from the problem. (**don't** include any useless information)
2. 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)

2. 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**)