Markup & Markdown Problems Worksheet

1. If 20% of the 70 faculty members at John F. Kennedy Middle School are male, what is the number of male faculty members?

2. If a bag contains 400 coins, and $33\frac{1}{2}\%$ are nickels, how many nickels are there? What percent of the coins are not nickels?

3. The temperature outside is 60 degrees Fahrenheit. What would be the temperature if it is increased by 20%?

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1. If 20% of the 70 faculty members at John F. Kennedy Middle School are male, what is the number of male faculty members?

$(0.20)(70) = 14$. *Therefore, 14 faculty members are male.*

2. If a bag contains 400 coins, and $33\frac{1}{2}\%$ are nickels, how many nickels are there? What percent of the coins are not nickels?

$(400)(0.335) = 134$. *Therefore, 134 of the coins are nickels. The percent of coins that are not nickels is $66\frac{1}{2}\%$.*

3. The temperature outside is 60 degrees Fahrenheit. What would be the temperature if it is increased by 20%?

$(60)(1.2) = 72$. *Therefore, the temperature would be 72 degrees Fahrenheit.*