**Mini-Lesson #3 – Finding the Percent and Total (Math 7 – Percent Unit)**

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| **Percent Proportion is =** |
| The percent Proportion can be used to **Find the Percent**  **EXAMPLES:**   1. 45 is what percent of 90? 2) What percent of 110 is 97? |
| The percent proportion can be used to **Find the Whole**  **EXAMPLES:**  3) 12 is 8% of what? 4) 112% of 45 is what? |

**Real-life EXAMPLES**

* + **Set up a Proportion and Solve.**

1. Each week you spend $10 of your allowance on lunches. If your allowance is $25, what percent of your money is spent on lunches?
2. Joe saves 20% of his pay check. If he saves $50, how much does he make?
3. About 88% of the class made A’s. If 26 students made A’s, about how many students are in the class?
4. Kyle has been practicing basketball, and in the last game he made 15 shots out of the 25 he attempted. What percent of the baskets did he make?
5. Nancy got 56 out of 60 correct on her test. What percent of the test did she get correct?
6. After a 30% discount, you ended up paying $35 for your new basketball shoes. What was the original price of the shoes? (Hint: **What was % spent?)**

Practice Page for Percent Unit ML 3 (Math 7)

1. 20 is what percent of 36? 2) What percent of 75 is 75?

3) 67% of what is 876? 4) 48 is 20% of what?

1. If you sold a house for $150,000, and you made $3000 from the house, then what is your commission rate?
2. Marcus got 23 questions out of 30 correct on his math test. What percentage grade did he earn on his test?
3. You made $3500 on your last paycheck; however, you only took home $2000 because of taxes and insurance. What percent of your paycheck when to insurance and taxes?
4. The advertisement says that you will save 30% on a new suit. If you save $45, then how much was the original price of the suit?
5. If 75% of the class participates in Blue Day, and there are 120 students on the team, how many students stayed in for Blue Day?