Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

Ms. Williams and Ms. Narracci  691

Using Equations to Solve Word Problems

**Directions**: On your own, use the strategies we have discussed and demonstrated in class the last two days to solve the following word problems. Remember: *Practice Makes Perfect!*

*Remember:*

1. **Read CAREFULLY!**
2. **Underline key information!**
3. **Translate!**
4. **Solve!**
5. **Substitute and Check!**
6. Natari and Sammy went to Popeye’s to buy lunch. Natari bought $9.00 with him and Sammy bought d dollars with him.

1. Write an equation representing the total amount of money Natari and Sammy brought with them to buy lunch. Let t= the total.
2. If the total amount for lunch was $14.75, *how much money did Sammy bring*?
3. Check your answer in the space provided.



1. Brandon wants to buy a PlayStation 3. He **has saved $150 so far**. His mom decided to make a deal with him. She said that she would pay the rest and he could pay her back each month. If Brandon decides to take his mom’s offer, he would have to give **her $20 per month until the PlayStation 3 is paid off**.
2. Write an equation representing the total cost of Brandon’s new PlayStation 3. **Let t= the total cost and m=the number of months it takes Brandon to pay his mom back.**
3. If the PlayStation 3 **cost $300**. *How long would it take Brandon to pay his mom back?*
4. Substitute your answer and check!
5. Mya, Seimon, and Bryan were working on their Editorials for Ms. Touhey. *Mya was working at a pace that was twice the sum of Seimon and Bryan’s*.
6. Write an equation representing the total amount of time it took Mya to finish their Editorials. *Let M=Mya’s total time, S=Seimon’s pace, and B=Bryan’s pace*.
7. If Mya’s pace was 400 minutes, and Bryan’s pace was 90 minutes*. How long did it take Seimon to complete the editorial?*
8. Substitute your answer and check!



1. Carlos Toledo and Carlos Ortega decided to have a contest to see who could throw a baseball further. Carlos Ortega was able to throw the baseball d feet. Carlos Toledo was able to throw it 10 more feet.
2. Write an equation representing the total feet that both Carlos’ threw the baseball. Let b= the total distance.
3. If the sum of both Carlos’ throws is 50 feet. How far did each Carlos throw the baseball?
4. Substitute your answer and check!

C:\Users\USER\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\JNT1NQRE\MC900363010[1].wmf