Week 23 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Homework: Monday, February 13, 2017**

***TRY YOUR BEST! SHOW ALL OF YOUR WORK! ☺☺ NO WORK! NO CREDIT!***

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| On Monday Maya’s checking account was overdrawn $13. Tuesday the bank charged her an overdraft fee of $37. She made a deposit of $24 on Wednesday.  Choose the statement that best describes the amount of money Maya would need to deposit into her account to make her balance positive.  A. Less than $26  B. Exactly $26  C. More than $26  D. She does not need to make a deposit. Her account is already positive. | A store is advertising a 10% discount on all items. Adam and Brandi are discussing how to find the sale price. Adam says the sale price is 90% the original price. Brandi says the sale price is the original price minus the 10% discount. Are they both correct? Use a bar model to explain your answer. |
| In 2003, 68% of the T.V. set owners in the United States had cable television. Write this percent as a fraction in simplest form and as a decimal. | At one time during 2001, for every 20 copies of *Harry Potter and the* *Sorcerer’s Stone* that were sold,  13.2 copies of *Harry Potter and the Prisoner of Azkaban* were sold.Express the ratio of copies of *The Prisoner of Azkaban* sold tocopies of *The Sorcerer’s Stone* sold as a percent. |

**Homework: Tuesday, February 14, 2017**

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| Mr. Samuel is twice as tall as his son, William. William’s sister, Sarah, is 4 ft 6 in. tall. If William is ¾ as tall as his sister, how tall is Mr. Samuel?  A. 5 ft, 6 in.  B. 6 ft., 2 in.  C. 6 ft., 4 in.  D. 6 ft, 9 in. | Jim’s Gym had income of $20,350 last month. The total increased by $2,000 this month. What was the percent increase to the nearest percent?  **A** 11% **C** 7%  **B** 10% **D** 6% |
| In a survey, 80 students were asked to name their favorite subject. Thirty students said that English was their favorite. What percent of the students surveyed said that English was  **Possible answer:**  **Since** | You deposit $5,000 in an account that earns 5% simple interest. How long will it be before the total amount is $6,000? |

**Homework: Wednesday, February 15, 2017**

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| The Magic Box is offering a 15% discount on all items over $100. A wooden rocking horse at the store has a regular price of $140.   * How much is the discount? * How much is the sale price?   The sales tax rate is 9%.   * How much is sales tax? * What is the total cost? | Mr. Samuel is twice as tall as his son, William. William’s sister, Sarah, is 4 ft 6 in. tall. If William is ¾ as tall as his sister, how tall is Mr. Samuel?  A. 5 ft, 6 in.  B. 6 ft., 2 in.  C. 6 ft., 4 in.  D. 6 ft, 9 in. |
| When asked about their favorite Thanksgiving leftover, of the people said vegetables and said mashed potatoes. Which food was more popular and by what percent? | A deposit of $7,500 earns $3,900 over a period of 8 years. What is the simple interest rate? |

**Homework: Thursday, February 16, 2017**

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| Evaluate the expression below when a = 3, and b = -8.  *|a+b| + (-6)* | Eric and 4 friends planned to take a summer vacation. Just before leaving, two of Eric’s friends had family emergencies and cancelled. Determine each person’s share of the $8 toll for the friends who are taking the summer vacation with Eric.   1. $2.67 2. $3.00 3. $2.00 4. $1.60 |
| The highest recorded temperature in Alaska occurred in 1915 at 100°F. The highest recorded temperature in Indiana occurred in 1936 and was 16% higher than the highest temperature in Alaska. What is the highest recorded temperature in Indiana? | The student population at King Middle School is 52% female. The total student population is 1,225 students. How many boys go to King Middle School?  **A** 538 boys **C** 637 boys  **B** 588 boys **D** 1,173 boys |
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