**Directions: Solve each problem by showing all of your work. Be sure to circle your answers.**

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| 1) $5^{3} $ | 2) $9^{3}$ |
| 3) $4^{5}$ | 4) $3^{4}$ |
| 5) $3^{2}-6-3$ | 6) $3^{2}-(6-3)$ |
| 7) $(3 x 5^{2})-4 x 2^{3}$ | 8) $(3 x 5)^{2}-4 x 2^{3}$ |
| 9) Ellie bought a bag of 54 pumpkin seeds. She shared 1/6 with her sister and 1/6 with her brother. How many pumpkin seeds did she have left?  | 10) Leah had to write 72 thank you cards to each of her family members for attending her birthday party. If she got ½ of them done in one night, how many more does she have to write? |
| 11) There were 1,085 students in BBL and 1,791 students in PS 111. Use >, <, or = to compare the numbers above. | 12) The drama club is doing a chocolate bar fundraiser to raise money to buy new costumes. In September, the students sold 47 Kit Kat Bars and 75 Hershey Bars. Their goal is to sell 4 times as many Kit Kat Bars and 3 times as many Hershey Bars in the month of October. If the students meet their goal, how many total candy bars will they sell in September and October combined? |