

Mental Math Post-test 2**Date:** _____*Directions: Do your best. Attempt to find each answer in your head. No calculators allowed.*

- 1) Estimate the solution: $x + 3,083,034 = 7,988,003$. _____
- 2) If 42 students each sell 25 pizzas and the profit on each pizza is \$2.37, what is the estimated total profit? _____
- 3) After driving 43 miles to your favorite restaurant, you find that it closed down so you have to turn around and drive back home. How many total miles did you drive? _____
- 4) Estimate the total bill for the following items: \$14.35, \$7.42, \$6.21. _____
- 5) Simplify: $\frac{630x^2}{9x^6}$ _____
- 6) If the probability of success is .62, what is the probability of failure? _____
- 7) How many donuts in 8 dozen donuts? _____
- 8) Find the perimeter of a square with each side 43 m. _____
- 9) If a total bill of \$60 is split by four friends, what does each pay? _____
- 10) Simplify $(-16)(35)$ _____
- 11) Solve $73 = 2x - 3$ _____
- 12) $\frac{1}{7} \cdot 6300 =$ _____
- 13) Find the total cost of 9 sodas each costing \$.80. _____
- 14) Solve $\frac{310}{420} = \frac{6200}{x}$ _____
- 15) 1000 is what percent of 4000? _____