

**Mental Math Post-test****Date:** \_\_\_\_\_

*Directions: Do your best. Attempt to find each answer in your head. No calculators allowed.*

- 1) Solve  $2x = 2084$  \_\_\_\_\_
- 2) Solve  $\frac{x}{2} = 38$  \_\_\_\_\_
- 3) Find the total cost at the concession stand. Candy: 50¢; Sandwich: \$4.70; Drink: \$1.50.  
\_\_\_\_\_
- 4) Evaluate  $58 + t$  if  $t = 66$  \_\_\_\_\_
- 5)  $x$  = number of cubic yards of concrete purchased  
 $C$  = cost, in dollars, of the concrete  
 $C = 120x$   
If you have \$3600, how much concrete can you buy? \_\_\_\_\_
- 6) Solve  $300 = x + 78$  \_\_\_\_\_
- 7) Pam bought three items at All-Mart costing \$12.17, \$8.46, and \$2.41. Estimate the total cost (without tax). \_\_\_\_\_
- 8) The Stevens family ordered four Value Meals for \$4.93, \$5.10, \$4.75, and \$5.15, respectively. What was the approximate total cost? \_\_\_\_\_
- 9)  $k(x) = \frac{2345}{x}$  find  $k(2.345)$  \_\_\_\_\_
- 10) A .034 gram piece of metal is found to be 10% silver. How much silver is in the metal?  
\_\_\_\_\_
- 11) If  $g(x) = 65 + x$ , find  $g(25)$ . \_\_\_\_\_
- 12) Four friends go out for dinner to Tony's Pizza. The total bill is \$44.60. If split evenly how much does each person pay? \_\_\_\_\_
- 13) Solve  $\frac{x}{4} = 13.1$  \_\_\_\_\_
- 14) Simplify  $\sqrt{x^{96}}$  \_\_\_\_\_
- 15) Evaluate  $cd$  if  $c = 33$  and  $d = 4$ . \_\_\_\_\_