

Name:

**PROBLEM SOLVING**

*GUESS and CHECK* ? and



1. What am I ? If you multiply me by 26 and add 64, the result is 1000.
2. What am I ? If you divide me by 5 and subtract 12, the result is 8.
3. Samira has \$7.25 in quarters and nickels. She has 5 more quarters than nickels. How many of each coin does she have?
4. Jared and Danielle have \$32.00 between them. If Danielle gives Jared \$4.00, they will both have the same amount. How much money does each have?
5. Use the digits 1,3,5,and7 to make two numbers whose product is 1767.
6. The product of two numbers is 4187. The digits are 3,5,7 and 9. What are the two numbers?
7. Membership to a summer tennis club is \$100.00 for a family or \$45.00 for an individual. Pierre sold 15 memberships and collected \$1170.00 How many family and individual memberships did he sell?
8. Membership to a summer tennis club is \$100.00 for a family or \$45.00 for an individual.  
Marla sold 22 memberships and collected \$1815.00 How many family and individual memberships did she sell?
9. What 3 consecutive multiples of 10 add up to 210?
10. It costs 40 cents to mail a postcard and 43 cents to mail a letter. Alex wrote to 10 friends and spent \$4.15. How many postcards and letters did he write?
11. How many ways can you make 30 cents without using pennies?

All problems must be set up with the correct headings and **all** guesses need to be shown in the work space.

