Practice Page

1. Arnold is going to build a yard for his horses. He has 160 feet of fencing. He wants the length of the yard to be 8 feet more than the width. What will the dimensions of the yard be? *(did you get a length of 44 feet and a width of 36 feet?)*

2. A rectangle has a perimeter of 52 cm. The width is 4 cm less than the length. What are the length and width of the rectangle? *(did you get a length of 15 cm and a width of 11 cm?)*

3. The sum of two numbers is 30. The first number is 4 times as big as the second. What are the numbers? *(did you get 24 for the first number and 6 for the second?)*

4. Sarah is thinking of two numbers. One is 7 less than twice the other. The sum of these numbers is 17. What are the numbers? *(did you get 9 and 8?)*

5. Jim is buying crown molding for the ceiling of his living room. His living room's width is 3 feet less than its length. He needs 70 feet of crown molding. What are the dimensions of his living room? *(did you get 19 feet for the length and 16 feet for the width?)*

6. Karen hopes that putting barbed wire around her garden will keep out rabbits. A roll of 100 feet of barbed wire will fit her garden perfectly. If the garden is 10 feet longer than triple its width, what are the width and length of her garden? *(did you get a width of 10 feet and a length of 40 feet?)*

7. An isosceles triangle has two equal sides. Each side of the triangle is 4 inches more than double the base. If the perimeter of the triangle is 68 inches, what are the measures of each side and the base? *(did you get 28 inches for each side and 12 inches for the base?)*

8. Susan and Paula's birthdays are both in April. Susan tells Paula that if they added their birth date numbers together, it would total the 30 days in April. If Susan's birth date is 2 more than 3 times Paula's, what would each one's birth date in April be? *(did you get Paula's birth date is the 7th and Susan's is the 23rd?)*

9. Karen is buying tickets to take her daughter to go to a *Wiggles* concert. Adults' seats cost $6.00 less than twice the cost of seats for children. Karen pays $30.00 for tickets for herself and her daughter. How much did each ticket cost? *(did you get children's seats are $12 and adult's seats are $18?)*

10. Your teacher asks you to draw a specific size trapezoid. A trapezoid has a short top "base", wide bottom base, and equal sides. For this trapezoid, the teacher wants the bottom base to measure 4 cm less than twice the top "base." The sides will measure 8 cm and the perimeter should be 39 cm. What will the top and bottom bases measure? *(did you get 9 cm and 14 cm?)*