**Think-Tac-Toe**

**Solving Real World Systems of Equations Word Problems – Mixed Problem Types**

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| **The perimeter of a rectangle is 56 meters. The length is two less than 4 times the width. Find the dimensions of the rectangle.** | **Angle A is 14**$°$ **less than 3 times its complementary angle. What are the measures of the angles?** | **Mark’s age plus twice David’s age is 48. Three times Mark’s age plus 5 times David’s age is 132. How old are Mark and David?** |
| **The perimeter of a rectangle is 30 m. The length of the rectangle is 3 m more than twice the width. Find the dimensions of the rectangle.** | **If the difference of the side lengths of two squares is 12 and the sum of the side lengths is 52, what are the side lengths of the two squares?** | **The sum of the digits of a certain two-digit number is 7. Reversing its digits increases the number by 9. What is the number?** |
| **The differences of two numbers are 3. Their sum is 13. Find the numbers.** | **The perimeter of a rectangle is 84 inches and its width is half its length. What are the length and width of the rectangle?** | **The perimeter of a triangle is 39 feet. Side a of the triangle is twice as long as side b. Side c in the triangle is three feet longer than side b. Find the length of each side.** |