MAY '26 LOGIC SOLUTIONS

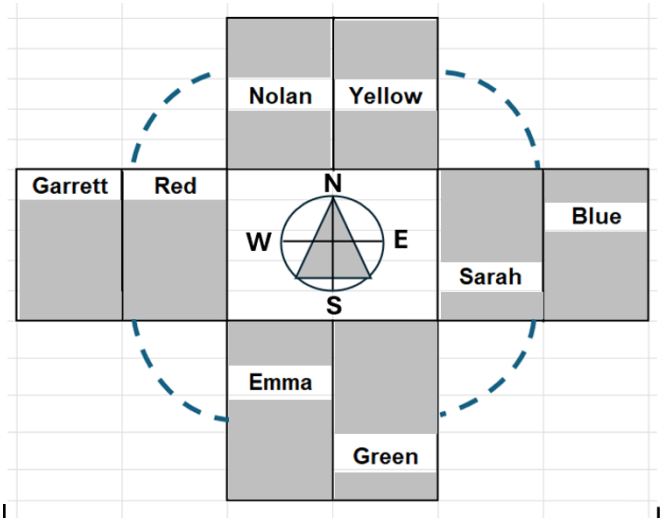
1. **The Maypole Dancers – It's May Day tradition!**

Four dancers **– Garrett, Emma, Nolan and Sarah –** each hold a ribbon on the Maypole of a different color: (**Red, Blue, Yellow & Green)**. They stand at four different positions around the Maypole (**North, South, West & East**).

Use the following clues and below diagram, determine each dancer's ribbon color and position at the Maypole. (Note: There is only one unique, fully constrained solution.)

Clues:

1) **Emma** does **not** hold the **Red** or **Yellow** ribbon.
2) The dancer at the **North** position does not hold the **Blue** ribbon.
3) **Nolan** stands directly opposite the dancer with the **Green** ribbon.
4) **Sarah** is standing **East** of **Garrett**.
5) The dancer with the **Yellow** ribbon is not in the **West** position.



Solution:

1st – apply Clue #1

2nd - apply Clue #2

3rd – apply Clue #3

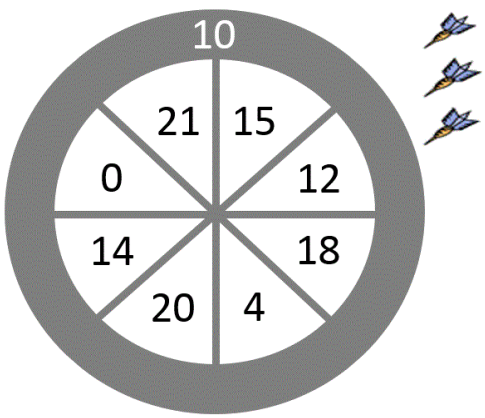
4th – apply Clue #5

5th - apply Clue #4 with the following:

Choosing a **Red** ribbon option for **Garrett**, then the puzzle had only one unique, fully constrained solution: **Garrett (West) = Red, Emma (South) = Green, Nolan (North) = Yellow** and **Sarah (East) = Blue.**
When the **Blue** ribbon option was chosen for **Garrett**, the puzzle results were non-unique and thus Blue was not a valid option for Nolan.

2. **Dart Scoring Puzzle**

Using only three darts for each go and the following dartboard, how many different combinations can you find to score the exact sum of 42? Each dart must score a number on the board. Once three numbers have been used, the same three numbers cannot be reused in any other order. (Note: Numbers can be used more than once per go.)



Solutions:

1. 0 + 21 + 21 = 42
2. 4 + 18 + 20 = 42
3. 10 + 12 + 20 = 42
4. 10 + 14 + 18 = 42
5. 12 + 12 + 18 = 42