The Padres use an American flag for big events with the following dimensions:

1. If the height is 53 yards, and each stripe is equal width, how high are the 13 stripes?

2. What is the area of the flag?

3. If the Union (blue area with the 50 stars) height is $\frac{7}{13}$ the size of height of the flag, what is the height of the Union (B)?

4. If the length of the Union is .76 the height of the flag, what is the length of the Union (A)?

5. What is the area of the Union?

6. What is the length of (C)?

7. What is the height of (D)?

8. If the diameter of a star in the Union is .0616 the height of the flag, what is the diameter of a star?
1. **4.1 Yards**  
   53 yards / 13 stripes = 4.1 yards

2. **5,300 yd²**  
   length x width = 100 x 53 = 5,300 yd²

3. **28.5 Yards**  
   (7/13) x 53 yards = 28.5 yards

4. **40.3 Yards**  
   (.76) x 53 yards = 40.3 yards

5. **1,148.55 Yards**  
   28.5 yards x 40.3 yards = 1,148.55 yards

6. **60 Yards**  
   100 - 40 = 60 yards

7. **24.5 Yards**  
   53 - 28.5 = 24.5 yards

8. **3.3 Yards**  
   0.0616 x 53 = 3.3 yards