

Thanksgiving Brainteasers Trivia

Aziz S. Inan, Ph.D.
Electrical Engineering
University of Portland

November 22, 2012

Thanksgiving Brainteasers Trivia

#1. This year's Thanksgiving Day possesses a unique numerical property. How? Assigning numbers 1 through 26 to the letters of the English alphabet as A = 1, B = 2, C = 3, etc., calculate:

$$\frac{1}{2}\{T+H+U+R+S+D+A+Y+N+O+V+E+M+B+E+R+22+2012\}$$

What comes out?

Answer: Thanksgiving Day!

Thanksgiving Brainteasers Trivia



#2. Which animal scores 100 out of 100 points?

**Answer: Turkey because
 $T+U+R+K+E+Y=100!$ 😊**

Thanksgiving Brainteasers Trivia

#3. This year's Thanksgiving Day possesses another interesting numerical property. Here is why:

- **Prime factors of 1122 are 2, 3, 11, and 17**
- **Calculate one-third of sum of the squares of these four primes**
- **Also, calculate T+H+A+N+K+S+G+I+V+I+N+G**
- **Do you see the connection?**

Answer: They are equal!

Thanksgiving Brainteasers Trivia

#4. More numerical facts about 1122:

- If split as 11 & 22, $11+22=33$
- $1122=2 \times 3 \times 11 \times 17$ where $2+3+11+17=33$
- 1122 and its reverse 2211 are each divisible by 33
- The difference between 1122 and its reverse 2211 equals 33×33 !
- $1122+2211=3333$!

Thanksgiving Brainteasers Trivia



#5. Who preferred that I be the national bird of the United States?

Answer: Benjamin Franklin