

Solution to Last Month's Quiz

A FORMULAIC QUIZ

Neighbor Gary Colman provided these correct answers to last month's quiz. (Refer to last month's issue if you wish to re-see the formulas corresponding to his letters on the right)

I didn't know most of these, so this was a fun exercise in researching

My solution:

1. The Pythagorean theorem (The square of the hypotenuse of a triangle is equal to the sum of the squares of its legs)	C
2. The fundamental theorem of calculus (Allows the calculation of an instantaneous rate of change)	F
3. Newton's universal law of gravitation (Calculates the force of gravity between two objects)	D
4. The origin of complex numbers (The square of an imaginary number is negative)	B
5. Euler's theorem for polyhedra (Describes a space's shape or structure regardless of alignment)	J
6. The normal distribution (Defines the standard normal distribution, a bell shaped curve in which the probability of observing a point is greatest near the average and declines rapidly as one moves away)	H
7. The wave equation (A differential equation that describes the behavior of waves, originally the behavior of a vibrating violin string)	I
8. The Fourier transform (Describes patterns in time as a function of frequency)	A
9. Second law of thermodynamics (Energy and heat dissipate over time)	E
10. Einstein's theory of relativity (Energy equals mass times the speed of light squared)	G

- 1) The Carol Burnett Show
- 2) The Perry Como Show (4 different titles)
- 3) The Danny Kaye Show
- 4) The Julius La Rosa Show
- 5) The Garry Moore Show .
- 6) The Dinah Shore Show
- 7) The Red Skelton Show
- 8) The Smothers Brothers Comedy Hour
- 9) The Ed Sullivan Show
- 10) The Andy Williams Show

- A. 1948-1967
- B. 1948-1971
- C. 1950-1967
- D. 1951-1957
- E. 1951-1971
- F. 1956-1957 (summers only)
- G. 1962-1969
- H. 1963-1967
- I. 1967-1969
- J. 1967-1978, 1991

TARGET DATE FOR Next Month's Contributions
February 16, 2022
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This Month's Quiz

The Spice of Life

Variety shows are a thing of television's past – but some of us miss watching them. I can still remember fondly Andy Williams introducing the Osmond Brothers, and the Smothers Brothers' hippy-dippy weatherman portrayed by George Carlin. The task you have here is to try to match these old variety shows to the years that they were broadcast. I got help from internet sources to help me compose this...so you may free to do the same to solve this. If you don't know these shows due to youth, I hope learning a bit about them might prove to be fun and spice up your life!

Status of Covid-19

Omicron has made a very big splash in infection volumes hereabouts! The county's case counts climbed by nearly 44,000 this month, and Foster City's TOTAL case count since the pandemic started nearly doubled in just one month.

Month	SM County Total	New County Cases	County New Case Pct Chg Mo/Mo	Foster City Total	NewCity Cases	City New Case Pct Chg Mo/Mo
20-Aug	8,000			67		
20-Sep	9,785	1,785		122	55	
20-Oct	11,341	1,556	-13%	145	23	-58%
20-Nov	13,707	2,366	52%	174	29	26%
20-Dec	23,681	9,974	322%	436	262	803%
21-Jan	35,235	11,554	16%	646	210	-20%
21-Feb	38,674	3,439	-70%	708	62	-70%
21-Mar	40,105	1,431	-58%	744	36	-42%
21-Apr	41,013	908	-37%	763	19	-47%
21-May	42,069	1,056	16%	783	20	5%
21-Jun	42,386	317	-70%	787	4	-80%
21-Jul	43,676	1,290	307%	807	20	400%
21-Aug	48,631	4,955	284%	938	131	555%
21-Sep	51,908	3,277	-34%			
21-Oct	52,852	944	-71%	1,003	65	-100%
21-Nov	54,140	1,288	36%	1,036	33	-50%
21-Dec	56,864	2,724	111%	1,095	59	79%
22-Jan	100,737	43,873	1511%	2,043	948	1507%