

Survey on the History and Objects of Mathematics

Please try to answer each question without looking anything up. If you do not know the answer, then choose randomly or state, "I do not know.". Thank you for completing the form.

** Indicates required question*

1. How much do you care about the History of Mathematics? *

Mark only one oval.

	1	2	3	4	5	6	
Do r	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	You care a lot.

2. What is the name of the prestigious award that is often considered the equivalent of the Nobel Prize in mathematics? * ⌵ Dropdown

Mark only one oval.

- ☐ Abel Prize
- ☐ Clay Millennium Prize Problems
- ☐ Fields Medal
- ☐ Wolf Prize in Mathematics

3. Which mathematician has contributed the most to understanding the fundamental nature of symmetries in mathematics? *

Tick all that apply.

- ☐ Albert Einstein
- ☐ Henri Poincaré
- ☐ Robert Oppenheimer
- ☐ Emmy Noether
- ☐ Sheldon Cooper

4. Please choose the correct answer relating facts about diagonals to the specific quadrilateral associated with them. *

Tick all that apply.

	Diagonals are equal in length	Diagonals bisect each other	Diagonals are perpendicular	Diagonals bisect the angles
Rhombus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Kite	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Square	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parallelogram	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rectangle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. When is/was Pi Day? *

Mark only one oval.


- ☐ March 2014
☐ 14th of March every year
☐ 3rd of January every year
☐ 14th every month in 2003

6. Choose the correct values of pi below *

Tick all that apply.

- ☐ 3.141592653589793238462
☐ 3.141592640832495738964
☐ 22/7
☐ 3

7. Approximately how many decimal places of pi have been calculated by humans and computers as of the early 2020s?

*  Dropdown

Mark only one oval.

- ☐ A few hundred
- ☐ Tens of trillions
- ☐ A few thousand
- ☐ Tens of millions

8. How do you feel about the following statement? "Trigonometry is only relevant when you are dealing with triangles and circles." *

Mark only one oval.

	1	2	3	4	5	6	
Fully	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Fully Agree

9. For each of the common trig functions, select their associated reciprocal. I.e. $1/\text{trig} = \text{reciprocal trig}$ *

Mark only one oval per row.

	cos	sin	tan
arctan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
cot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
arcsin	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
cosec	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
arccos	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
sec	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. What do the S and A stand for in SSS, SAS, ASA and AAS, when proving congruence? *

11. Please choose the correct full angles associated with the named structures. *

Tick all that apply.

	90 degrees	180 degrees	270 degree	360 degrees
Triangle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Right-Angle	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Quadrilateral	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Straight Line	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pi	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Around a point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. Is zero a number or just the concept of nothing? *

13. From the choice your choice above, explain what zero means to you? *

14. Match the following ancient civilisations to their significant contributions to mathematics. *

Mark only one oval per row.

	Concept of Zero	Base- 60 Number System	Formal Geometry	Early matrix computations
Ancient Chinese	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ancient India	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ancient Greece	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ancient Babylon	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

15. Which triangle is responsible for the disappearance of ships and aircrafts in the North Atlantic Ocean? *

Mark only one oval.

- ☐ Pascal's Triangle
- ☐ Bermuda Triangle
- ☐ Scalene Triangle
- ☐ Penrose Triangle

16. What is the Fibonacci sequence, and how do you compute it? *

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