

# Quiz on the History and Objects of Mathematics

Please try your best not to look up anything. If you don't know, then choose randomly. Once you are done, let me know if you wanna chat more about the different questions and responses.

\* Indicates required question

1. Who introduced the symbol of pi that we use today? \*

4 points

Mark only one oval.

- ☐ Leonhard Euler
- ☐ Archimedes
- ☐ William Rowan Hamilton
- ☐ Henry Briggs

2. Match the following concepts to their associated field in introductory mathematics.

\* 4 points

Mark only one oval per row.

	Calculus	Algebra	Linear Algebra	Complex Numbers
<b>imaginary number (i)</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Variables</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Limits</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Matrices</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## 3. Please select all boxes referring to a True statement \*

4 points


*Tick all that apply.*

	Irrational	Has a repeating decimal pattern	Important when studying triangles	Related to logarithms
<b>Euler's number (e)</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Square root of 2</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4.218321832183...</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>pi</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 4. Why do we have 60 seconds in a minute, 60 minutes in an hour, 360 degrees, etc, to represent and measure full rotations?

\*

4 points

 Dropdown
*Mark only one oval.*

- ☐ It came from the ancient Babylonians who used the base-60 number system.
- ☐ It came from the ancient Greeks and the astronomical measurements they made.
- ☐ It came from the Mayans who used the base-20 number system for their astronomical observations.
- ☐ It came from the ancient Indians and their development of trigonometry.

## 5. Which ancient civilisations amongst the ones listed used the abacus? \*

4 points

*Tick all that apply.*

- ☐ Babylonians
- ☐ Chinese
- ☐ Indians
- ☐ Romans
- ☐ Egyptians

6. Pythagoras was the first person to use the Pythagorean Theorem.

\*



Dropdown

4 points

Mark only one oval.

☐ True

☐ False

7. Who invented calculus in the 17th century \*

4 points

Tick all that apply.

☐ Gottfried Wilhelm Leibniz

☐ Johannes Kepler

☐ Rene Descartes

☐ Isaac Newton

☐ Pierre de Fermat

8. Match the following mathematicians to their significant popular contributions to mathematics.

\*

4 points

Mark only one oval per row.

	Analytic Geometry	Pythagorean Theorem	"Elements"	Development of Calculus
<b>Pythagoras</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Euclid</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>Isaac Newton</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>René Descartes</b>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

9. Where does the term Algorithm come from? \*

4 points

Mark only one oval.

- ☐ Named after a Persian mathematician Al-Khwarizmi?
- ☐ Named after an American computer scientist, Algor Allard?
- ☐ From the Greek word "arithmos" meaning "number"?
- ☐ From the medieval Latin word "Algorismus", referring to methods of calculating.

10. Please choose the correct answer relating to polygons and facts about them. \* 4 points

Tick all that apply.

	Even number of sides	Has/Can have obtuse angles for interior angles.	Can always find a line of symmetry	Has/Can have right- angles for interior angles
<b>Pentagon</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Trapezium</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Square</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Triangle</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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