

PUZZLES

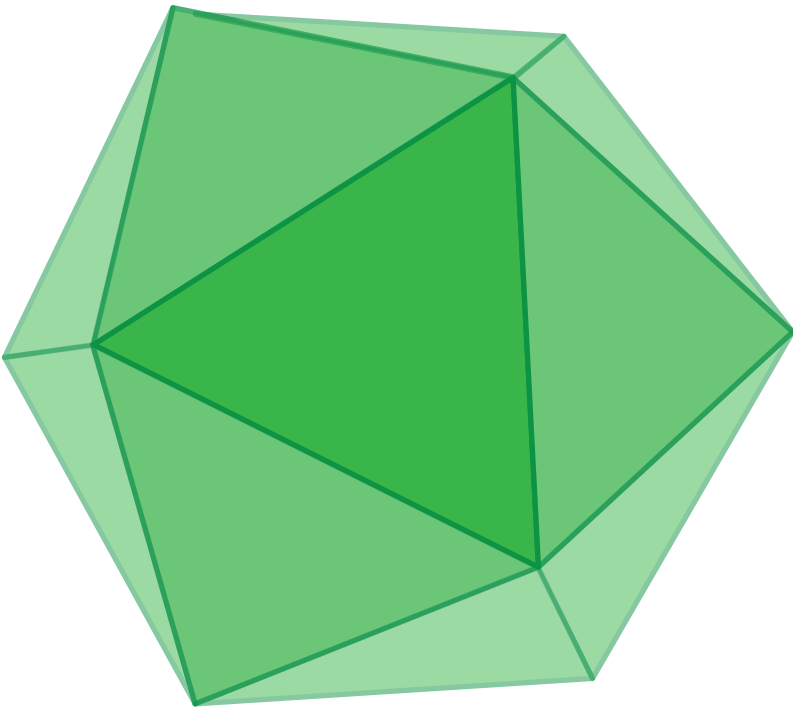
PROOFS &

PATTERNS

Experience The World Of Mathematics

SCAVENGER HUNT

See if you can search out these Math morsels in our Puzzles, Proofs and Patterns Scavenger Hunt!



1. This mathematician solved part of one of the most difficult mathematical puzzles of modern times – Fermat’s last theorem.

Answer: _____

2. After growing weary of writing, “is equal to”, over and over again this mathematician created the equals symbol (=).

Answer: _____

3. There is a computer language named in this mathematician’s honor for work that was foundational to modern computer science.

Hint: Child of the poet Lord Byron.

Answer: _____

4. This mathematician founded a field of mathematics that sought to describe the irregularly shaped objects and natural phenomena found in nature.

Answer: _____

5. What number is known as the “Hardy-Ramanujan number”?

Answer: _____

6. The constant in Albert Einstein’s famous equation, $E=mc^2$.

Answer: _____

7. This is the largest polyhedron in the Puzzles, Proofs and Patterns exhibit. It has twelve faces, thirty edges and twenty vertices.

Answer: _____



UA SCIENCE

FLANDRAU

Science Center & Planetarium



8. This shape resembles a doughnut.

Answer: _____

9. A massive hexagonal pattern can be seen at the north pole of this planet in our solar system.

Answer: _____

10. This shape is a repeated curve on a surface or line. It is a common shape that occurs in nature.

Answer: _____

11. This is a closed shape containing three or more sides.

Answer: _____

12. This hexagonal pattern is found in nature in the nests of certain insects.

Answer: _____



13. What is the word for someone who has a fear of the number thirteen?

Answer: _____

14. How many “Open Problems” did David Hilbert pose in 1900?

Answer: _____

How many have been solved so far?

Answer: _____

15. This mathematical discipline deals with the chances that some event will occur.

Answer: _____

16. This symbol represents the ratio of a circle’s circumference to its diameter.

Answer: _____

17. A logical argument that employs deductive reasoning, which links conclusions, to demonstrate the truth of a statement is called a _____.

18. What is the length of a “royal” cubit?

Answer: _____

19. How old is the first evidence of written “counting systems”?

Answer: _____

20. This is considered the most basic unit in geometry.

Answer: _____

21. The length of a segment that connects any two points on a circle while passing through its center is known as this.

Answer: _____

22. This Greek mathematician was the author of the first known Algorithm.

Answer: _____

23. These are the first 5 numbers in the Fibonacci sequence.

Answer: _____