

\* गणित ( Maths ) Q-A \*

## \* गणित ( Maths ) \*

**नमस्कार दोस्तो**, आज की हमारी यह PDF भारत का गणित ( Maths ) से संबंधित हैं, जिसमें हम आपको गणित ( Maths ) के 100 ऐसे महत्वपूर्ण Question and Answer बताने जा रहे हैं जो बार – बार प्रतियोगी परीक्षाओं में पूछे जाते हैं ! ये Question आपको SSC , RRB , Banking , PSC व अन्य सभी तरह की प्रतियोगी परीक्षाओं जिनमें कि गणित ( Maths ) पूछा जाता है सभी में काम आयेंगे ! तो आप इन्हें अच्छे से पढ़िये और याद कर लीजिये !

500 Most Important गणित ( Maths ) Questions for Competitive Exams

\* Part :- 1 \*

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सभी प्रकार की प्रतियोगी परीक्षा में गणित ( Maths ) से सम्बंधित प्रश्न अनिवार्य रूप से पूछे जाते हैं। यह आपको 100 ऐसे महत्वपूर्ण प्रश्न उपलब्ध करा रहे हैं जो आप के आगामी परीक्षा के बहुत उपयोगी सिद्ध होंगे।

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1. Who is the Father of Mathematics?

Answer: Archimedes

2. Who discovered Zero (0)?

Answer: Aryabhatta, AD 458

Explanation: Aryabhatta invented zero but he didn't give any symbol for zero, Brahmagupta was the first to give a symbol for zero and rules to compute with zero.

3. What is the average of the first 50 natural numbers?

Answer: 25.5

4. When is Pi Day celebrated around the world?

Answer: March 14

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5. The value of Pi?

Answer: 3.14159

6. Value of  $\cos 360^\circ$ ?

Answer: 1

7. Angle greater than 180 degrees but less than 360 degrees are called?

Answer: Reflex Angles

8. Who discovered the laws of the lever and pulley?

Answer: Archimedes

9. Scientist who was born on Pi Day?

Answer: Albert Einstein

10. Who discovered Pythagoras Theorem?

Answer: Pythagoras of Samos

11. Who discovered the Symbol Infinity " $\infty$ "?

Answer: John Wallis

12. Father of Algebra?

Answer: Muhammad ibn Musa al-Khwarizmi (Persian Mathematician)

13. Who discovered Fibonacci Sequence?

Answer: Leonardo Pisano Bigollo

14. First person to use the Greek letter pi ( $\pi$ ) to denote the constant?

Answer: William Jones in 1706

15. Who discovered Logarithms and the Decimal point?

Answer: John Napier

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16. Who invented the equals sign (=) ?

Answer: Robert Recorde

17. Who invented the Slide rule?

Answer: William Oughtred

18. Who invented Protractor?

Answer: Joseph Huddart

19. Who discovered the center of gravity?

Answer: Archimedes

20. Where was Abacus invented?

Answer: China

21. Who created the symbol 'e' ?

Answer: Leonhard Euler

22. Which Greek Mathematician was killed by Romans during the capture of Syracuse?

Answer: Archimedes

23. Who developed an easy method to find out all the Prime Numbers?

Answer: Eratosthenes

24. Euler's Formula?

Answer: Euler discovered two Important formulas

1)  $F + V = E + 2$

2)  $e^{ix} = \cos x + i \sin x$

25. Father of Trigonometry?

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Answer: Hipparchus

26. Father of Science?

Answer: Galileo Galilei

27. Who discovered Line Graph, Bar Chart, Circle Graph?

Answer: William Playfair

28. Who discovered  $\nabla$  (delta)?

Answer: William Rowan Hamilton

29. Who invented Boolean Algebra?

Answer: George Boole in 1847

30. Who invented Unknown or variable quantities x, y, z ?

Answer: René Descartes

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31. Who discovered Graph Theory?

Answer: Leonhard Euler

32. Value of Napier's constant 'e' ?

Answer:  $e \approx 2.71828$

33. Write the next number of the following Sequences 1, 1, 2, 3, 5, 8, 13, \_?

Answer: 21

34. Who invented Unit Vectors i, j, k ?

Answer: William Rowan Hamilton

35. Who created the BODMAS rule?

Answer: Achilles Reselfelt



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36. Who discovered the Square Root symbol  $\sqrt{\phantom{x}}$  ?

Answer: Christoph Rudolff

37. Who invented Statistical Graph?

Answer: William Playfair

38. Who is considered as the Father of Calculus?

Answer: Isaac Newton and Gottfried Leibniz

39. Who is the Father of Analytic Geometry?

Answer: René Descartes and Pierre de Fermat

40. Which numbers were believed to Promote Love?

Answer: Amicable numbers

41. Who Developed Taylor series expansions of Trigonometric Functions?

Answer: Madhava of Sangamagrama

42. Who discovered the Law of gravity?

Answer: Sir Isaac Newton

43. Who created "i" ( $\sqrt{-1}$ ) as an Imaginary Number?

Answer: Leonhard Euler

44. Who discovered Multiplication?

Answer: William Oughtred

45. Father of Geometry?

Answer: Euclid of Alexandria (Commonly known as Euclid)

46. Who constructed the first Trigonometric Table?

Answer: Hipparchus

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47. Who discovered Hyperbolic Sine and cosine “Sinh and Cosh”?

Answer: Vincenzo Riccati

48. Mathematical device that has Beads?

Answer: Abacus

49. How many Zeros are there in One Billion?

Answer: 9 (nine)

50. Who discovered Derivatives?

Answer: Gottfried Leibniz

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51. Who discovered Differential Equations  $dx$  ?

Answer: Gottfried Leibniz

52. Who discovered Summation  $\Sigma$  ?

Answer: Srinivasa Ramanujan

53. Who discovered the Product sign  $\prod$  ?

Answer: Carl Friedrich Gauss

54. Which Symbol did Karl Weierstrass Invent?

Answer:  $|x|$

55. What do we call people who have a “Fear of Numbers” ?

Answer: Numerophobia

56. Name of the symbol  $\nabla$  ?

Answer: Nabla

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57. Who introduced the term “function” in Mathematics?

Answer: Gottfried Wilhelm Leibniz

58. Who introduced the notation for a function  $y = f(x)$ ?

Answer: Leonhard Euler

59. Name of the symbol  $\equiv$  ?

Answer: Equivalence Relation and Modulus

60. Name of the Symbol  $()$  ?

Answer: Parentheses

61. Name of the Symbol  $\perp$  ?

Answer: Perpendicular

62. What is the other name of Multiplication Sign “X” ?

Answer: Times Sign

63. Name of the Symbol  $\triangle$  ?

Answer: Equal by definition

64. Name of the Symbol  $\Sigma$  ?

Answer: Sigma

65. Name of the Symbol  $\Pi$  ?

Answer: Capital Pi

66. Name of the Symbol  $\phi$  ?

Answer: Golden ratio

67. Name of the Symbol  $\Rightarrow$  ?

Answer: Implies

68. Name of the Symbol  $\therefore$  ?

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Answer: Therefore

69. The total number of dots on a dice?

Answer: 21

70. What is the Number system of these letters V, X, L, D, M ?

Answer: Roman Numerals

71. Who discovered the empty set sign  $\emptyset$  (null)?

Answer: André Weil

72. Roman Number of 40?

Answer: XL

73. What Number that is twice the sum of their digits (other than zero)?

Answer: 18

74. Which is the only even Prime Number?

Answer: 2

75. Roman Number of 50?

Answer: L

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76. Roman Number of 60?

Answer: LX

77. Roman Number of 70?

Answer: LXX

78. Roman Number of 90?

Answer: XC



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79. Roman Number of 100?

Answer: C

80. Find the missing number in the series 5, 10, 17,     , 37, 50, 65, 82?

Answer: 26

81. Which is the smallest Perfect Number?

Answer: 6

82. Who discovered + and – ?

Answer: Johannes Widman

83. Who discovered intersection  $\cap$  and union  $\cup$  ?

Answer: Giuseppe Peano

84. What is the next Prime Number after 13?

Answer: 17

85. Which is the only number that cannot be used as a Divisor?

Answer: Zero

86. Who is known as the prince of Mathematics in India?

Answer: Srinivasa Ramanujan

87. Who said the phrase "Number rules the Universe"?

Answer: Pythagoras

88. Which number is Known as Ramanujan-Hardy Number?

Answer: 1729

89. What is the name of the number system with base 2?

Answer: Binary

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90. How many seconds are there in one hour?

Answer: 3600 Seconds

91. Who discovered the identity sign  $\equiv$  (for congruence relation)?

Answer: Carl Friedrich Gauss

92. Which number system does not have the symbol for zero?

Answer: Roman Numerals

93. Who discovered Number Line?

Answer: John Wallis

94. Who discovered strict inequality signs  $<$  and  $>$  ?

Answer: Thomas Harriot

95. What number do we get when we multiply all of the numbers on a Telephone Number Pad?

Answer: Zero

96. Who discovered the division sign  $\div$  ?

Answer: Johann Rahn

97. Who discovered the  $\lfloor x \rfloor$  greatest integer  $\leq x$  (floor) and  $\lceil x \rceil$  smallest integer  $\geq x$  (ceiling)?

Answer: Kenneth E. Iverson

98. What is the name for the longest side of a Right Angled Triangle?

Answer: Hypotenuse

99. Which number does not have a Reciprocal?

Answer: zero

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100. Who discovered Mathematical Induction?

Answer: Giovanni Vacca

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