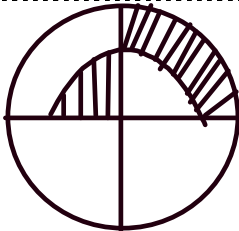# INTO 7ᵀᴴ CBSE/ICSE

MATHEMATICS

1. Which of the following are never subtracted from a symbol of larger value

   1. V
   2. L
   3. D
   4. All the above

2. The process of writing a number in words is called _____

   1. Digits
   2. Notation
   3. Numeration
   4. Both (1) and (2)

3. The product of the place value and face value of 3 in the numeral 14, 349

   1. 900
   2. CM
   3. 800
   4. Both (1) and (2)

4. 1 GOOGOL = _____

   1. 10^{10}
   2. 10^{100}
   3. 10^{1000}
   4. 10^{0}

5. The product of first five whole numbers is

   1. 0
   2. 120
   3. 24
   4. 10

6. Which of the following is not true?

   1. $(7+8)+9 = 7+(8+9)$
   2. $(7 \times 8) \times 9 = 7 \times (8 \times 9)$
   3. $7+8 \times 9 = (7+8) \times (7+9)$
   4. $7 \times (8+9) = (7 \times 8)+(7 \times 9)$

7. Sum of smallest prime number and smallest composite number is _____

   1. 6
   2. 7
   3. 8
   4. 9

8. The length, breadth and height of a container are 850cm, 650cm and 325 cm respectively. What is the longest tape which can measure the dimensions of the container fully?

   1. 25cm
   2. 20cm
   3. 50cm
   4. 75cm

9. If 25* 215 is divisible by 3 then * can take the value

   1. 1
   2. 3
   3. 4
   4. 5

10.	The line intersecting the circle at two points is called the _____ of the circle

10. The line intersecting the circle at two points is called the _____ of the circle

  1. Tangent 　　　　2. Secant 　　　　3. Segment 　　　　4. Chord

11. A segment formed by the diameter of the circle is called _____

  1.Semi circular region 　　　　　　2.Segment

  3.Sector 　　　　　　　　　　　　4.Chord

12. The number of rays(s) starting from one given point and passing through another fixed point is

  1. 1 　　　　2. 2 　　　　3. 3 　　　　4. Infinite

13. How many right angles make if you start facing south and turn clock wise to east?

  1. 1 　　　　2. 2 　　　　3. 3 　　　　4. 4

14. The angle by which the hour hand of a clock turns through when the minute hand goes from 12p.m to 6p.m is

  1. 15^0 　　　　2. 60^0 　　　　3. 90^0 　　　　4. 180^0

15. The greatest negative integer lying between -7 and 4 is

  1. 4 　　　　2. 3 　　　　3. -1 　　　　4. -6

16. The value of the expression 1-2+3-4+5-6+…..29-30 is

  1. -14 　　　　2. -15 　　　　3. 0 　　　　4. 15

17. Absolute value of an integer is _____ to the given integer

  1. Greater 　　　　2. Equal 　　　　3. Less 　　　　4. Both (1) and (2)

18. A piece of wire $\frac{7}{8}m$ long broke into two pieces one piece was $\frac{3}{4}$ long. How was the other piece?

  1. $\frac{1}{6}$ m 　　　　2. $\frac{1}{8}m$ 　　　　3. $\frac{1}{4}m$ 　　　　4. $\frac{2}{4}$ m

19. The sum of $\frac{3}{4} and 3\frac{3}{4}$ is

  1. $3\frac{6}{8}$ 　　　　2. $\frac{19}{4}$ 　　　　3. $3\frac{6}{4}$ 　　　　4. $\frac{3}{5}$

20. If the pattern in the series $\frac{1}{3},\frac{2}{6},\frac{3}{9},\frac{4}{12}$........ is continued then the next fraction is

  1. $\frac{2}{3}$ 　　　　2. $\frac{3}{8}$ 　　　　3. $\frac{5}{15}$ 　　　　4. $\frac{5}{25}$

21. A decimal number lying between 3.2 and 3.22 is

  1. 3.118 　　　　2. 3.218 　　　　3. 3.3 　　　　4. 3.23

22. Which amongst the following decimal has the greatest value?

  1. 3.42 　　　　2. 3.24 　　　　3. 3.042 　　　　4. 3.3999

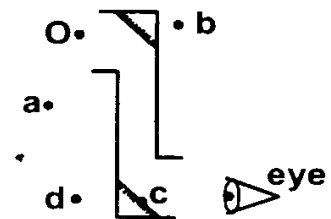| No.	Question
23.	What should be added to 123.409 to get 140?
	1. 16.590 2. 15.591 3. 16.591 4. 17.591
24.	Primary data is collected by
	1. Some unpublished source 2. Investigator himself
	3. News paper Agency 4. Some friends
25.	If picture of one electric bulb is used to represent 20 bulbs then a picture of half bulb will represent _____ bulbs.
	1. 5 2. 25 3. 45 4. 10
26.	I hectare = _____ sq.m
	1. 1000 2. 100 3. 10, 000 4. 1, 00, 000
27.	Number of diagonals can be drawn in regular Hexagon is
	1. 5 2. 8 3. 9 4. 10
28.	What is the cost of tiling a rectangular plot of land $\frac{1}{2} km$ long and 200m wide at the rate of 9 per hundred sq.m?
	1. 9000 2. 8000 3. 7000 4. 6000
29.	Cost of flooring at `20 per square metre is `4, 200. If the length of the room is 21m them its breadth is
	1. 5m 2. 10m 3. 15m 4. 20m
30.	If two plane figure A and B coincide with each other then they have
	1. Equal area 2. Equal perimeters
	3. Equal area and perimeter 4. None of these
31.	Which of the following is an equation?
	1. $x+1$ 2. $x-1$ 3. $x-1=0$ 4. $x+1>0$
32.	The two – digit number whose ten's digit is t and unit digit is 'u' is _____
	1. 10t – 4 2. 10t + u 3. 10t 4. 10 + 4t
33.	If there are x chairs in a row, them the number of students that can be seated in 7 rows are
	1. $7+x$ 2. 7x 3. 35 4. x^2
34.	The property of numbers which says 3×42 is equal to $3 \times 40 + 3 \times 2$ is known as
	1. Commutative 2. Associative 3. Distributive 4. Closure
35.	Gaurav earns 1, 200 in 10days in 18days he will earn.
	1. `2160  2. `2,000 3. `1960  4. `2250
36.	If q is the mean proportion of p and r them the value of q is
	1. pr 2. $(pr)^2$ 3. $\sqrt{pr}$ 4. $\frac{pr}{2}$

37. The third proportional to 2 and 8 is

    1. 1   2. 4   3. 16   4. 32

38. The length and breadth of a steel tape are 10m and 2.4cm respectively. The ratio of the length to the breadth is

    1. 5 : 1.2   2. 25 : 6   3. 625 : 6   4. 1250 : 3

39. The number of lines of symmetry of a regular octagon is

    1. 4   2. 6   3. 8   4. 7

40. The number of lines of symmetry in the word MOM is

    1. 1   2. 2   3. 3   4. 4

41. A ruler and pair of set squares can be used to draw

    1. Perpendicular line   2. A parallel line   3. An angle of 60^0 4. All of these

42. The Roman numeral for 185 is

    1. IVIIIV   2. CLXXXV   3. XXCCV   4. CLXXC

43. A tetrahedron is a

    1. Prism with triangular base   2. Pyramid with rectangular base

    3. Icosahedrons   4. Pyramid with triangular base

44. The shaded portion in the given figure represents the fraction

    1. $\dfrac{1}{4}$ 2. $\dfrac{1}{2}$ 3. $\dfrac{3}{4}$ 4. $\dfrac{1}{5}$

45. The perimeter of an isosceles triangle having sides *l, l and m* is

    1. l^2m 2. $2(l+l+m)$ 3. $2l+m$ 4. $2 \times lm$

46. If the length of the rectangle is doubled and its breadth is halved the ratio of area of original rectangle to the area of the new one is

    1. 1 : 2   2. 2 : 1   3. 1 : 1   4. 3 : 1

47. The sum of the coefficients of variable terms in 9-(*x* - *y*) is

    1. 0   2. -1   3. 1   4. 9

48. The largest 5-digit number using any one digit twice from digits 6, 8, 3, 1 is

    1. 13, 886   2. 66, 831   3. 88631   4. 68311

49. If the area of a square is numerically equally to its perimeter then length of each side is

    1. 2 units   2. 3 units   3. 4 units   4. 5 units

50. If *x* is positive integer having successor *y* then value of $y - x$ is

    1. 1   2. 0   3. -1   4. 2

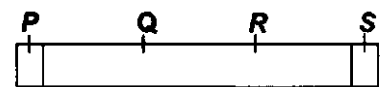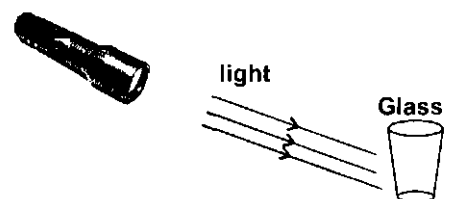|	
51.	Submultiple micro is equal to 1. 1/1000000 2. 1/100000 3. 1/10000000 4. 1/1000
52.	When Abhishek looked at a lighted torch through an object he could see a faint glow, but not the torch. The object is 1. Transparent 2. Opaque 3. Translucent 4. None of these
53.	A magnet can be made weaker by 1. Keeping it wrapped in cotton wool 2. Using it as a hammer 3. Keeping it in a cool room 4. Playing with it
54.	The diagram shows an object O viewed using two mirrors. A person looks into the mirrors as shown. At which position is the image of O seen? 1. a 2. b 3. c 4. D
55.	One centimeter on a scale is divided into 20 equal divisions. The least count of this scale is 1. 20cm 2. 1mm 3. 0.1mm 4. 0.5mm
56.	A plane mirror reflects a pencil of light to form a real image. Then the pencil of light incident on the mirror is 1. Parallel 2. Convergent 3. Divergent 4. None of these
57.	Vikram is going to dip a bar magnet into a container of iron filings. Which part of the bar magnet will he observe attract the most amount of the iron fillings? 1. P & Q 2. P & S 3. R & S 4. P, Q & R
58.	In a circuit having one bulb, another bulb is added parallel, then the bulb will 1. Not glow it 2. Glow but less brightly 3. Glow more brightly 4. Get fused
59.	If the mass of the object is 36g, the density of the object is 1. 1 g/cm^3 2. 2 g/cm^3 3. 3 g/cm^3 4. 4 g/cm^3
60.	There is no dark shadow formed by the glass when light is shone on it. This is because 1. It is night time yet 2. The light is not strong enough 3. The glass is a transparent objet 4. The glass is an opaque object

61. How many poles are present in a magnet?

    1. One   2. Two   3. Three   4. Four

62. Rohan's torch does not light up. This is because

    1. The positive terminal of one battery is not connected to the negative terminal of the next battery

    2. The metal tip of the bulb is not connected to one of the battery

    3. The batteries are connected in parallel

    4. There is a gap between the batteries

63. Which of the following statements is false?

    1. The motion of a swing is rectilinear as well as circular

    2. A guitar shows vibratory motion

    3. Pendulum of a clock shows oscillatory motion

    4. A ceiling fan shows rotator motion.

64. What happens when you increase the distance between the pinhole and the screen in a pinhole camera?

    1. The size of the image changes

    2. The brightness of the image changes

    3. The image remains inverted
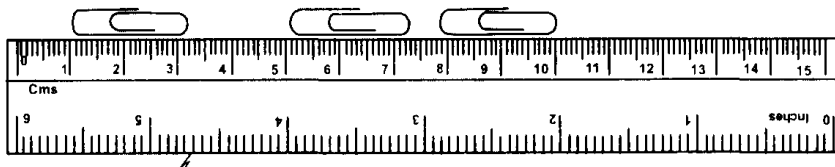
    4. all of these

65. Who invented electric bulb?

    1. Einstien   2. Faraday 3. Thomas Alva Edison   4. Franklin

66. Magnetic lines of force are always_____

    1. Straight lines   2. Closed curves   3. Rectangular shape   4. None

67. What is the average length of the three paper clips?

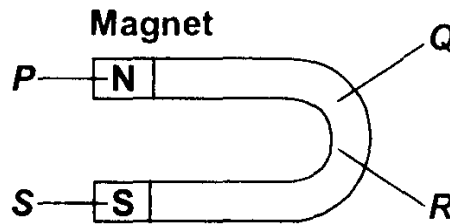   1. 1.5cm   2. 2.2cm   3. 2.5cm   4. 3.0cm

68. Colour of objects cannot be determined by looking at their_____

    1. Shadow   2. Image   3. Object   4. None of the above

69. In domestic wiring, the neutral wire has which of the following colours?

    1. Black   2. White   3. Green   4. red

70. Lisa did experiment to find out which part of the magnet attracts the most pins. Which of these readings is correct?

Magnet

Number of pins attracted by the part of the magnet

	P	Q	R	S
(1)	8	1	2	8
(2)	8	3	3	2
(3)	3	2	3	8
(4)	1	8	8	1

71. Bleeding gums is symptom of _____deficiency disease.
    1. Vitamin – B　　　　2. Vitamin – C　　　　3. Vitamin – A　　　4. Vitamin – - B_{12}

72. The process of arranging two sets of yarns together to make fabric is called _____
    1. Spinning　　　　　2. Weaving　　　　　3. Knitting　　　　　4. Ginning

73. The process that is used to separate grain from stalk is _____
    1. Hand picking　　　2. Winnowing　　　　3. Threshing　　　　4. Sedimentation

74. A leaf usually has _____ and a lamina.
    1. Pistil　　　　　　　2. Stamen　　　　　　3. Veins　　　　　　4. Petiole

75. Soil, water and air are the _____ factors of a habitat.
    1. Aquatic　　　　　　2. Terrestrial　　　　3. Biotic　　　　　　4. Abiotic

76. Motion that repeats itself after some period of time, is called _____motion.
    1. Translatory　　　　2. Circulatory　　　　3. Rectilinear　　　　4. Periodic

77. _____ have a structure called gizzard which help them in grinding their food.
    1. Rat　　　　　　　　2. Squirrel　　　　　　3. Red worm　　　　4. Ant

78. _____supports burning and is necessary for living organisms.
    1. Carbondioxide　　2. Ozone　　　　　　　3. Oxygen　　　　　4. Nitrogen

79. Luminous objects are _____
    1. Moon　　　　　　　2. Sun　　　　　　　　3. Earth　　　　　　4. Mercury

80. Unwanted plants are called_____
    1. Shrubs　　　　　　2. Weeds　　　　　　　3. Herbs　　　　　　4. Climbers

81. The plants have seeds enclosed with in the fruit
    1.Gymnosperms　　　　　　　　　　2.Angiosperms
    3.Phanerogams　　　　　　　　　　4.Pteridophytes

82. What is the locomotory organ of paramecium?
    1. Pseudopodia　　2. Cilia　　　　　　　3. Flagella　　　　　4. Both (1) & (2)

83. Rhizoids are _____ like structure
    1. Roots　　　　　　　2. Stem　　　　　　　3. Flower　　　　　　4. Fruit

84. Fern are belongs to
    1. Bryophyta   2. Thallophyta   3. Pteridophyta   4. Lichens

85. The body cavity known as coelom is present in _____phylum.
    1. Arthropoda   2. Echinodermata   3. Annelida   4. Platyhelminthes

86. In bigonia terminal _____ become modified into hooks.
    1. Stem   2. Leaflets   3. Nodes   4. Scale leaves

87. _____is protected and covered by dry and scaly leaves.
    1. Tuber   2. Rhizome   3. Bulb   4. Corn

88. Microbes + Saliva + Food particles =_____
    1. Tooth decay   2. Strong acid   3. Plaque   4. Tooth cavity

89. Blisters are caused in _____type of burns
    1. First degree burns   2. Second degree burns
    3. Third degree burns   4. Chemical burns

90. Summer sleep is known as _____
    1. Hibernation   2. Anthocyanin   3. Aestivation   4. Azonisation

ENGLISH

91. The book is <u>on the table.</u>
    1. Phrase   2. Clause   3. Sentence   4. Preposition

92. Kumar <u>wants</u> to complete the work.
    1. Finite verb   2. Non finite verb   3. Participle   4. None

93. He is <u>disappointed.</u>
    1. Noun   2. Adverb   3. Adjective   4. Verb

94. She is the _____of all.
    1. Taller   2. Tallest   3. Tall   4. As tall as

95. One who speaks two languages_____.
    1. Linguist   2. Bilingual   3. Versatile   4. None

96. How _____do you love your country?
    1. Many   2. More   3. Must   4. Much

97. She made us_____.
    1. To laugh   2. Laugh   3. Was laughing   4. Laughed

98. One of my friends_____ in Delhi.
    1. Are   2. Is   3. Were   4. Have

99. Those <u>who</u> love God will be saved
    1. Relative pronoun   2. Relative adverb
    3. Possessive pronoun   4. Personal pronoun

100. He said, " A triangle has three sides".
    1. He said to me that a triangle had three sides.
    2. He said that a triangle has three sides
    3. He says that a triangle ahs three sides.
    4. He said that a triangle has three saides.

THE END