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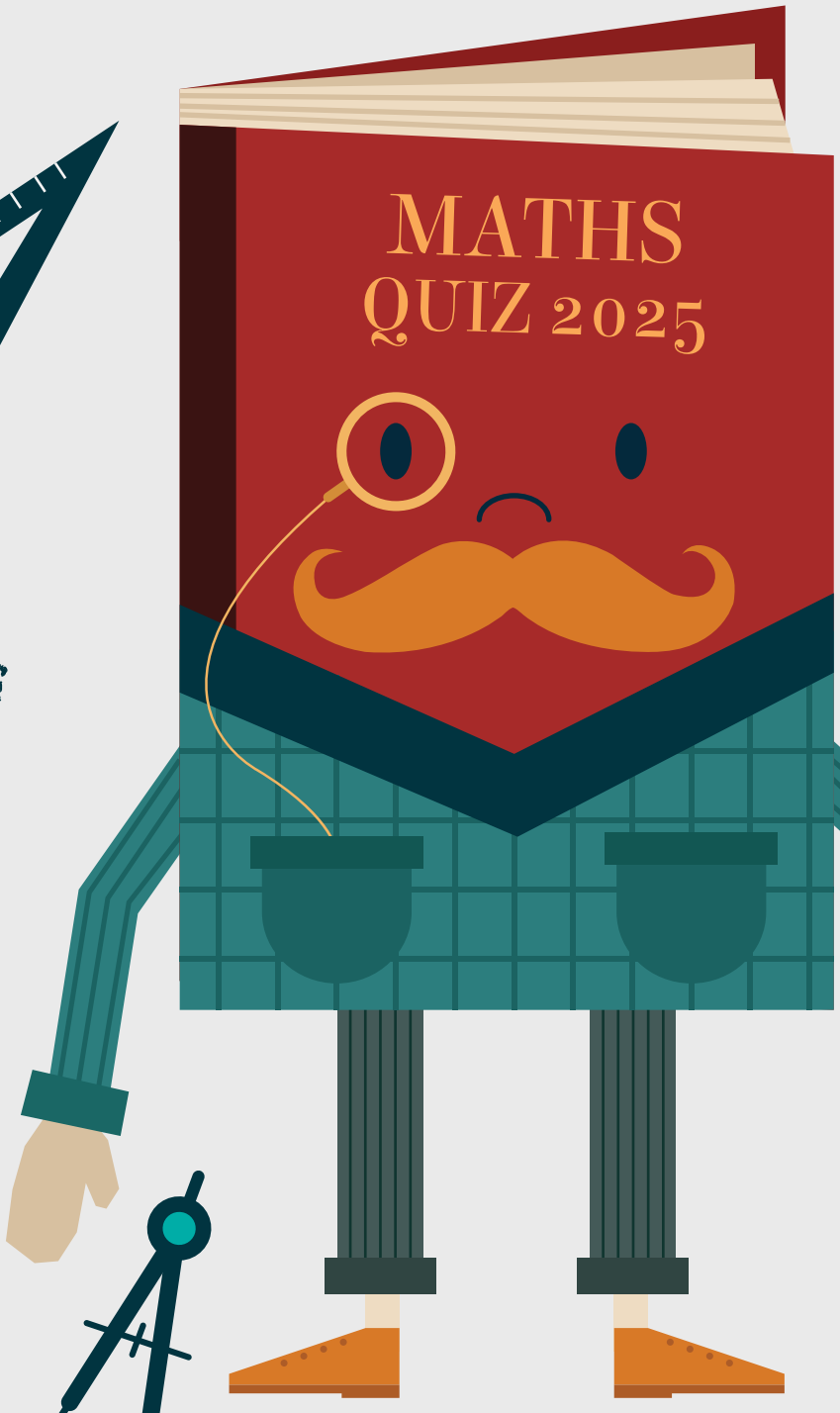

Grade 09-10

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Q. 1 A quadrilateral in which both pairs of opposite sides are parallel is a:

A. Trapezium
B. Parallelogram
C. Kite
D. Rhombus

Q. 2 Which term describes the likelihood or chance of an event occurring?

A. Mean
B. Probability
C. Frequency
D. Ratio

Q. 3 The distance around a circle is called its:

A. Area
B. Circumference
C. Radius
D. Diameter

Q. 4 Which transformation slides a figure from one position to another without turning or flipping it?

A. Reflection
B. Translation
C. Rotation
D. Dilation

Q. 5 Data that is obtained by counting and can only take specific values is called:

A. Continuous data
B. Discrete data
C. Categorical data
D. Nominal data

Q. 6 A triangle with one angle measuring exactly 90° is called a:

A. Acute triangle
B. Right triangle
C. Obtuse triangle
D. Scalene triangle

Q. 7 A quadrilateral with all sides equal and all angles equal to 90° is a:

A. Rhombus
B. Square
C. Rectangle
D. Kite

Q. 8 Numbers such as -3, 0, and 4 belong to the set of:

A. Whole numbers
B. Integers
C. Rational numbers
D. Irrational numbers

Q. 9 An angle that measures exactly 180° is called a:

A. Right angle
B. Straight angle
C. Obtuse angle
D. Acute angle

Q. 10 An angle that measures less than 90° is called an:

A. Right angle
B. Acute angle
C. Obtuse angle
D. Reflex angle

Q. 11 If one card is drawn from a standard deck of 52 cards, what is the probability it is a king?

A. 1/26
B. 1/13
C. 2/13
D. 1/12

Q. 12 **A part of the circumference of a circle is called an:**

A. Diameter
B. Arc
C. Chord
D. Radius

Q. 13 **Which type of number can include digits after a decimal point?**

A. Integer
B. Decimal number
C. Whole number
D. Natural number

Q. 14 **On a coordinate plane, the vertical axis is called the:**

A. X-axis
B. Y-axis
C. Z-axis
D. Origin

Q. 15 **The correct plural form of "radius" is:**

A. Radiuses
B. Radii
C. Radials
D. Radius

Q. 16 **Data that can be measured and can take any value within a range is called:**

A. Continuous data
B. Discrete data
C. Categorical data
D. Nominal data

Q. 17 **Using p = 22/7, what is the circumference of a circle with a radius of 7 cm?**

A. 42 cm
B. 44 cm
C. 46 cm
D. 49 cm

Q. 18 **A bag contains 5 red balls and 3 blue balls. What is the probability of picking a red ball at random?**

A. 1/2
B. 5/8
C. 3/8
D. 2/3

Q. 19 **The distance-time graph for an object moving with uniform speed is a:**

A. Curve
B. Straight line
C. Parabola
D. Circle

Q. 20 **Which property is shown by a + 0 = a?**

A. Commutative Property
B. Identity Property
C. Associative Property
D. Distributive Property

Q. 21 **Which solid has two circular bases connected by a curved surface?**

A. Cone
B. Cylinder
C. Sphere
D. Prism

Q. 22 **The measure of the chance that a particular event will occur is called:**

A. Average
B. Probability
C. Ratio
D. Proportion

Q. 23 The formula for the volume of a cylinder is $V = pr^2h$. What does 'h' represent?

A. Radius
B. Area
C. Height
D. Diameter

Q. 24 If $a = 2$ and $b = 3$, what is the value of $a^2 + b^2$?

A. 9
B. 13
C. 14
D. 16

Q. 25 If $5x = 60$, what is the value of x?

A. 10
B. 12
C. 15
D. 20

Q. 26 What is the slope of the line given by the equation $y = 3x + 2$?

A. 2
B. 3
C. -3
D. 1/3

Q. 27 What is the name of the longest side in a right-angled triangle?

A. Adjacent
B. Opposite
C. Hypotenuse
D. Base

Q. 28 What is the smallest prime number?

A. 1
B. 2
C. 3
D. 5

Q. 29 What is the mean of the numbers 4, 6, 8, 10, and 12?

A. 7
B. 8
C. 9
D. 10

Q. 30 The angles of a triangle are 70°, 50°, and x. What is the value of x?

A. 50°
B. 60°
C. 70°
D. 80°

Q. 31 What is the multiplicative inverse of 4?

A. 4
B. 1/4
C. -4
D. -0.25

Q. 32 Which of these is the formula for the Pythagorean theorem?

A. $a + b = c$
B. $a^2 + b^2 = c^3$
C. $a^2 + b^2 = c^2$
D. a x b = c

Q. 33 Which type of triangle has one angle greater than 90°?

A. Acute triangle
B. Obtuse triangle
C. Right triangle
D. Scalene triangle

Q. 34 The property that states the order of addition does not matter (a + b = b + a) is the:

A. Associative Property
B. Commutative Property
C. Distributive Property
D. Identity Property

Q. 35 Which transformation creates a mirror image of a figure over a line?

A. Translation
B. Reflection
C. Rotation
D. Scaling

Q. 36 A line segment that passes through the center of a circle and is twice the length of the radius is the:

A. Chord
B. Diameter
C. Tangent
D. Secant

Q. 37 A polygon with twelve sides is called a:

A. Decagon
B. Dodecagon
C. Nonagon
D. Octagon

Q. 38 A student scores 75 marks out of 100. What is the percentage?

A. 0.7
B. 0.75
C. 0.8
D. 0.85

Q. 39 The lowest common multiple (LCM) of 4 and 6 is:

A. 12
B. 18
C. 24
D. 36

Q. 40 What is the perimeter of a rectangle that is 8 units long and 6 units wide?

A. 24
B. 26
C. 28
D. 30

Q. 41 An angle that measures exactly 90° is a:

A. Obtuse angle
B. Right angle
C. Reflex angle
D. Acute angle

Q. 42 A triangle with two sides of equal length is called:

A. Scalene triangle
B. Isosceles triangle
C. Equilateral triangle
D. Right triangle

Q. 43 A quadrilateral with four equal sides but not all angles equal is a:

A. Square
B. Rhombus
C. Rectangle
D. Trapezium

Q. 44 Which number is known as the multiplicative identity?

A. 0
B. 1
C. -1
D. 10

Q. 45 The outer boundary of a circle is called the:

A. Radius
B. Circumference
C. Diameter
D. Arc

Q. 46 Solve for x: x/3 = 7

A. 14
B. 21
C. 28
D. 35

Q. 47 In a data set, the number that appears most frequently is the:

A. Mean
B. Median
C. Mode
D. Range

Q. 48 Which of the following is an irrational number?

A. 4
B. 9
C. 2
D. 16

Q. 49 Which graph is most suitable for comparing different categories of data?

A. Line graph
B. Bar chart
C. Histogram
D. Pie chart

Q. 50 A polygon with five sides is called a:

A. Hexagon
B. Pentagon
C. Octagon
D. Nonagon

Q. 51 The sum of the probabilities of an event and its complement is always:

A. 0
B. 1
C. Infinite
D. Undefined

Q. 52 A car travels 180 km in 3 hours. What is its average speed?

A. 50 km/h
B. 60 km/h
C. 70 km/h
D. 80 km/h

Q. 53 A polygon with thirteen sides is called a:

A. Dodecagon
B. Tridecagon
C. Octagon
D. Nonagon

Q. 54 A polygon with seven sides is called a:

A. Hexagon
B. Heptagon
C. Octagon
D. Pentagon

Q. 55 A perfectly round three-dimensional object is called a:

A. Cylinder
B. Sphere
C. Cone
D. Hemisphere

Q. 56 **A flat surface on a solid, three-dimensional figure is called a:**

A. Edge
B. Face
C. Vertex
D. Base

Q. 57 **How many meters are there in one kilometer?**

A. 10 m
B. 100 m
C. 1000 m
D. 10,000 m

Q. 58 **The set of whole numbers includes:**

A. 1, 2, 3, ...
B. 0, 1, 2, 3, ...
C. -1, 0, 1, 2, ...
D. All fractions

Q. 59 **A three-sided polygon is called a:**

A. Rectangle
B. Triangle
C. Pentagon
D. Hexagon

Q. 60 **A polygon with four equal sides and no right angles is a:**

A. Square
B. Rhombus
C. Rectangle
D. Kite

Q. 61 **A polygon with three sides is called a:**

A. Rectangle
B. Triangle
C. Pentagon
D. Square

Q. 62 **If a train travels 120 km in 2 hours, how long will it take to travel 300 km at the same speed?**

A. 3 h
B. 5 h
C. 6 h
D. 7 h

Q. 63 **The branch of mathematics that deals with shapes, sizes, and properties of space is:**

A. Algebra
B. Geometry
C. Statistics
D. Arithmetic

Q. 64 **A number that is divisible only by 1 and itself is called a:**

A. Composite number
B. Prime number
C. Whole number
D. Rational number

Q. 65 **Which number is known as the identity element for addition?**

A. 0
B. 1
C. -1
D. Infinity

Q. 66 **What is the sum of the interior angles of a pentagon?**

A. 360°
B. 540°
C. 720°
D. 900°

Q. 67 Which property states that any number multiplied by zero equals zero?

A. Identity Property
B. Zero Property of Multiplication
C. Distributive Property
D. Associative Property

Q. 68 The sum of the measures of two supplementary angles is:

A. 90°
B. 180°
C. 270°
D. 360°

Q. 69 Which solid shape has exactly one curved surface?

A. Sphere
B. Cone
C. Cylinder
D. Cube

Q. 70 A shape with all sides equal and all angles equal is a:

A. Rectangle
B. Square
C. Rhombus
D. Kite

Q. 71 The sum of the interior angles of any triangle is always:

A. 90°
B. 180°
C. 270°
D. 360°

Q. 72 A shirt is sold for Rs. 400 after a 20% discount. What was its original price?

A. 420
B. 440
C. 500
D. 520

Q. 73 A triangle where all three angles are less than 90° is called an:

A. Right triangle
B. Acute triangle
C. Obtuse triangle
D. Scalene triangle

Q. 74 Which number is known as the additive identity?

A. 0
B. 1
C. -1
D. 10

Q. 75 A polygon with four sides is called a:

A. Triangle
B. Quadrilateral
C. Pentagon
D. Hexagon

Q. 76 If 2x = 14, what is the value of x?

A. 5
B. 7
C. 8
D. 9

Q. 77 The total distance around a polygon is called its:

A. Area
B. Perimeter
C. Volume
D. Diameter

Q. 78 A speed of 72 km/h is equal to how many meters per second (m/s)?

A. 15 **B. 20**
C. 25 D. 30

Q. 79 A number that is greater than zero is called a:

A. Negative number **B. Positive number**
C. Integer D. Rational number

Q. 80 What is the volume of a cube with a side length of 5 cm?

A. 100 cm^3 B. 110 cm^3
C. 125 cm^3 D. 150 cm^3

Q. 81 If $x^2 = 121$, what is the value of x?

A. ±9 B. ±10
C. ±11 D. ±12

Q. 82 A number that divides another number exactly, without a remainder, is called a:

A. Multiple **B. Factor**
C. Dividend D. Product

Q. 83 Which of the following is a quadratic equation?

A. $2x + 1 = 0$ **B. $x^2 + 2x + 1 = 0$**
C. $3x - 4 = 0$ D. $y = 2x$

Q. 84 The boundary line of a circle is called its:

A. Area **B. Circumference**
C. Radius D. Arc

Q. 85 Which type of angle is greater than 180° but less than 360°?

A. Obtuse angle **B. Reflex angle**
C. Straight angle D. Acute angle

Q. 86 Which set contains no elements?

A. Universal Set **B. Empty Set**
C. Finite Set D. Infinite Set

Q. 87 A line that touches a circle at exactly one point is called a:

A. Chord **B. Tangent**
C. Secant D. Radius

Q. 88 A shopkeeper gives a 20% discount on an item marked at Rs. 500. What is the final selling price?

A. 350 **B. 400**
C. 420 D. 440

Q. 89 **Which angle measures exactly 90°?**

A. Acute angle
B. Right angle
C. Obtuse angle
D. Reflex angle

Q. 90 **What is two-thirds of 90?**

A. 50
B. 60
C. 65
D. 70

Q. 91 **If two angles are complementary, and one angle is 35°, what is the measure of the other angle?**

A. 45°
B. 55°
C. 65°
D. 145°

Q. 92 **What is the correct plural form of the word "vertex"?**

A. Vertexes
B. Vertices
C. Verticals
D. Vertes

Q. 93 **An angle measuring less than 90° is called an:**

A. Right angle
B. Acute angle
C. Obtuse angle
D. Reflex angle

Q. 94 **A polygon with ten sides is called a:**

A. Octagon
B. Decagon
C. Nonagon
D. Dodecagon

Q. 95 **A quadrilateral with exactly one pair of parallel sides is called a:**

A. Parallelogram
B. Trapezium
C. Rhombus
D. Rectangle

Q. 96 **A man walks 5 km north and then 12 km east. What is the straight-line distance from his starting point?**

A. 12 km
B. 15 km
C. 13 km
D. 17 km

Q. 97 **The distance from the center of a circle to any point on its circumference is the:**

A. Diameter
B. Radius
C. Chord
D. Tangent

Q. 98 **A solid shape in which all six faces are rectangles is called a:**

A. Cube
B. Cuboid
C. Prism
D. Pyramid

Q. 99 **A solid shape where all six faces are equal squares is a:**

A. Cuboid
B. Cube
C. Prism
D. Pyramid

Q. 100 Using p = 22/7, what is the area of a circle with a diameter of 14 cm?

A. 120 cm²
B. 140 cm²
C. 154 cm²
D. 160 cm²

Q. 101 What is the sum of the probabilities of all possible outcomes of an event?

A. 0
B. 1
C. Infinity
D. Undefined

Q. 102 A quadrilateral with both pairs of opposite sides equal and parallel is a:

A. Kite
B. Parallelogram
C. Trapezium
D. Rhombus

Q. 103 Using p ~ 3.14, what is the approximate volume of a sphere with a radius of 3 cm?

A. 100 cm³
B. 110 cm³
C. 113.04 cm³
D. 120 cm³

Q. 104 Which number does not have a multiplicative inverse?

A. 1
B. 0
C. -1
D. 2

Q. 105 Which type of number has no fractional or decimal part?

A. Rational number
B. Whole number
C. Irrational number
D. Decimal

Q. 106 A flat, two-dimensional surface that extends infinitely in all directions is called a:

A. Line
B. Plane
C. Ray
D. Edge

Q. 107 A shape that has no sides and no vertices is a:

A. Triangle
B. Polygon
C. Circle
D. Square

Q. 108 In a right-angled triangle, if the base is 9 and the height is 12, what is the length of the hypotenuse?

A. 14
B. 15
C. 16
D. 17

Q. 109 Which transformation moves a figure without changing its size, shape, or orientation?

A. Rotation
B. Translation
C. Reflection
D. Dilation

Q. 110 The diagonals of a rectangle are always:

A. Unequal
B. Equal
C. Parallel
D. Perpendicular

Q. 111 What is the solution to the equation 2x + 5 = 15?

A. 3 | **B. 5**
C. 6 | D. 7

Q. 112 What is the additive inverse of -9?

A. -9 | **B. 9**
C. 0 | D. 1

Q. 113 A polygon with six sides is called a:

A. Pentagon | **B. Hexagon**
C. Octagon | D. Nonagon

Q. 114 Which transformation flips a figure over a line?

A. Translation | **B. Reflection**
C. Rotation | D. Enlargement

Q. 115 A quadrilateral with all sides equal and all angles measuring 90° is a:

A. Rhombus | **B. Square**
C. Rectangle | D. Parallelogram

Q. 116 A bar graph with no gaps between the bars, used for continuous data, is called a:

A. Line graph | **B. Histogram**
C. Pie chart | D. Pictograph

Q. 117 A solid figure with a flat polygonal base and triangular faces that meet at a single point is called a:

A. Cone | **B. Pyramid**
C. Cylinder | D. Sphere

Q. 118 Which of the following is a perfect square?

A. 18 | B. 24
C. 36 | D. 50

Q. 119 The average of a set of values is also known as the:

A. Mode | B. Median
C. Mean | D. Range

Q. 120 A straight path that extends infinitely in both directions through two points is called a:

A. Ray | **B. Line**
C. Chord | D. Diameter

Q. 121 In a right-angled triangle, the side next to the right angle (not the hypotenuse) is called the:

A. Opposite side | **B. Adjacent side**
C. Hypotenuse | D. Median

Q. 122 **The term "percent" means:**

A. Ratio
B. Parts per hundred
C. Fraction
D. Proportion

Q. 123 **A number is first increased by 10% and then decreased by 10%. What is the net change?**

A. 0% increase
B. 1% decrease
C. 1% increase
D. 10% decrease

Q. 124 **What is the median of the data set: 8, 12, 15, 20, 25?**

A. 12
B. 15
C. 20
D. 25

Q. 125 **The longest chord in a circle is called the:**

A. Radius
B. Diameter
C. Tangent
D. Secant

Q. 126 **The set {2, 4, 6, 8, ...} represents:**

A. Odd numbers
B. Even numbers
C. Prime numbers
D. Composite numbers

Q. 127 **What is the solution set for the equation $x^2 = 25$?**

A. {-4, 4}
B. {-5, 4}
C. {-5, 5}
D. {5, 25}

Q. 128 **A solid shape with a circular base, a curved surface, and a single vertex is a:**

A. Cylinder
B. Cone
C. Sphere
D. Pyramid

Q. 129 **A polygon with eight sides is called a:**

A. Hexagon
B. Octagon
C. Nonagon
D. Decagon

Q. 130 **A triangle with angles measuring 30°, 60°, and 90° is an example of a:**

A. Scalene triangle
B. Right triangle
C. Isosceles triangle
D. Equilateral triangle

Q. 131 **On a coordinate graph, which axis is the horizontal one?**

A. Y-axis
B. X-axis
C. Z-axis
D. Origin

Q. 132 **A polygon where all sides and all angles are equal is called a:**

A. Irregular polygon
B. Regular polygon
C. Scalene polygon
D. Parallelogram

Q. 133 What is the value of 3 squared (3^2)?

A. 6
B. 8
C. 9
D. 12

Q. 134 A triangle that has one angle measuring 90° is called a:

A. Acute triangle
B. Right triangle
C. Scalene triangle
D. Equilateral triangle

Q. 135 Which type of triangle has all three angles equal?

A. Scalene
B. Isosceles
C. Equilateral
D. Right

Q. 136 A polygon with all sides and all angles equal is known as a:

A. Irregular polygon
B. Regular polygon
C. Scalene polygon
D. Isosceles polygon

Q. 137 A car travels at a constant speed of 60 km/h. How far will it travel in 2 hours and 30 minutes?

A. 120 km
B. 150 km
C. 160 km
D. 180 km

Q. 138 A triangle with all sides of different lengths is called:

A. Isosceles
B. Equilateral
C. Scalene
D. Right

Q. 139 The total distance around the edge of a figure is its:

A. Area
B. Perimeter
C. Volume
D. Radius

Q. 140 What is the next prime number after 47?

A. 49
B. 53
C. 57
D. 59

Q. 141 Solve for x: 2x - 7 = 9

A. 6
B. 8
C. 9
D. 10

Q. 142 The highest common factor (HCF) of 12 and 18 is:

A. 3
B. 6
C. 9
D. 12

Q. 143 What is the slope of a line that is perpendicular to the line y = 2x?

A. -2
B. -1/2
C. 1/2
D. 2

Q. 144 **Which type of triangle has all three sides equal?**

A. Scalene
B. Isosceles
C. Equilateral
D. Right

Q. 145 **A shape with all sides equal and opposite sides parallel is a:**

A. Square
B. Rhombus
C. Rectangle
D. Kite

Q. 146 **What is the largest three-digit number that is divisible by 5?**

A. 995
B. 996
C. 990
D. 999

Q. 147 **Which solid shape has no edges and no vertices?**

A. Cylinder
B. Sphere
C. Cube
D. Cone

Q. 148 **Which of these numbers is divisible by 9?**

A. 23
B. 36
C. 40
D. 95

Q. 149 **What is the area of a rectangle with a length of 10 and a width of 6?**

A. 50
B. 60
C. 70
D. 80

Q. 150 **The coordinates of a point are (0, 5). On which axis does it lie?**

A. Y-axis
B. X-axis
C. Origin
D. It is not on an axis

Q. 151 **If 3 pencils cost 18 rupees, what is the cost of 7 pencils?**

A. 36
B. 40
C. 42
D. 45

Q. 152 **In a right-angled triangle, what is the name for the side next to the right angle (other than the hypotenuse)?**

A. Hypotenuse
B. Adjacent side
C. Opposite side
D. Median

Q. 153 **What is the area of a triangle with a base of 12 cm and a height of 8 cm?**

A. 48 cm^2
B. 96 cm^2
C. 100 cm^2
D. 120 cm^2

Q. 154 **A closed, two-dimensional figure with straight sides is called a:**

A. Circle
B. Polygon
C. Sphere
D. Ellipse

Q. 155 Which property states that a × (b × c) = (a × b) × c?

A. Commutative Property
B. Associative Property
C. Distributive Property
D. Identity Property

Q. 156 The value that appears most often in a data set is called the:

A. Mean
B. Median
C. Mode
D. Range

Q. 157 Which polygon has all sides equal but not all angles necessarily equal?

A. Square
B. Rhombus
C. Rectangle
D. Trapezium

Q. 158 Which number is known as the multiplicative identity?

A. 0
B. 1
C. -1
D. 2

Q. 159 The sum of the interior angles of a hexagon is:

A. 360°
B. 540°
C. 720°
D. 900°

Q. 160 If $a^2 = 64$, what is the value of a?

A. ±6
B. ±8
C. ±10
D. ±12

Q. 161 The top view of a cylinder looks like a:

A. Rectangle
B. Circle
C. Triangle
D. Polygon

Q. 162 When a number is increased by 25%, it becomes 100. What was the original number?

A. 70
B. 80
C. 85
D. 90

Q. 163 Which number is neither prime nor composite?

A. 2
B. 3
C. 1
D. 0

Q. 164 A triangle with angles measuring 50°, 60°, and 70° is classified as:

A. Equilateral
B. Scalene
C. Isosceles
D. Right

Q. 165 The term that describes the amount of surface a two-dimensional shape covers is:

A. Perimeter
B. Area
C. Volume
D. Diameter

Q. 166 If tan ? = 1, what is the value of ??

A. 30° **B. 45°**
C. 60° D. 90°

Q. 167 Which graph is best for showing how a whole is divided into parts?

A. Line graph **B. Pie chart**
C. Bar chart D. Histogram

Q. 168 What are the roots of the equation $x^2 - 9 = 0$?

A. ±2 **B. ±3**
C. ±9 D. 0

Q. 169 A triangle with all three sides equal in length is called:

A. Scalene triangle B. Isosceles triangle
C. Equilateral triangle D. Right triangle

Q. 170 A triangle with two sides of equal length is called:

A. Scalene **B. Isosceles**
C. Equilateral D. Right

Q. 171 A polygon with nine sides is called a:

A. Octagon **B. Nonagon**
C. Decagon D. Heptagon

Q. 172 What type of angle is formed when two lines are perpendicular to each other?

A. Acute angle **B. Right angle**
C. Obtuse angle D. Reflex angle

Q. 173 The study of collecting, organizing, analyzing, and interpreting data is called:

A. Algebra **B. Statistics**
C. Geometry D. Trigonometry

Q. 174 Which of the following sequences is an arithmetic sequence?

A. 2, 4, 8, 16 **B. 3, 6, 9, 12**
C. 1, 2, 4, 8 D. 5, 25, 125

Q. 175 What is 30% of 200?

A. 40 **B. 60**
C. 80 D. 100

Q. 176 Which transformation turns a figure around a fixed point?

A. Reflection B. Translation
C. Rotation D. Enlargement

Q. 177 What is the additive inverse of 5?

A. 5 | **B. -5**
C. 0 | D. 1

Q. 178 What is the mode of the data set: 2, 4, 4, 5, 6, 6, 6, 7?

A. 4 | **B. 6**
C. 7 | D. 5

Q. 179 Which type of data is represented by numerical values?

A. Qualitative | **B. Quantitative**
C. Categorical | D. Nominal

Q. 180 Which type of chart represents data as slices of a circle?

A. Bar chart | **B. Pie chart**
C. Line graph | D. Histogram

Q. 181 A polygon with eighteen sides is called a:

A. Octagon | **B. Octadecagon**
C. Decagon | D. Hexagon

Q. 182 The distance from the center of a circle to any point on the circle is the:

A. Diameter | **B. Radius**
C. Chord | D. Tangent

Q. 183 A flat, two-dimensional figure made up entirely of straight line segments is a:

A. Circle | **B. Polygon**
C. Ellipse | D. Curve

Q. 184 Which type of number cannot be expressed as a simple fraction?

A. Rational Number | **B. Irrational Number**
C. Whole Number | D. Integer

Q. 185 The fixed point around which a figure rotates is called the:

A. Axis | **B. Center of rotation**
C. Origin | D. Tangent

Q. 186 In a fraction, which part is written above the line?

A. Denominator | **B. Numerator**
C. Dividend | D. Quotient

Q. 187 A square has a perimeter of 40 cm. What is its area?

A. 80 cm^2 | **B. 100 cm^2**
C. 120 cm^2 | D. 160 cm^2

Q. 188 **Which type of graph is best for showing changes in data over a period of time?**

A. Pie chart
B. Line graph
C. Bar chart
D. Histogram

Q. 189 **The point where the x-axis and y-axis intersect on a coordinate plane is called the:**

A. Vertex
B. Origin
C. Intersection
D. Midpoint

Q. 190 **Which property states that the order of multiplication does not change the result (a × b = b × a)?**

A. Associative Property
B. Commutative Property
C. Distributive Property
D. Identity Property

Q. 191 **The property that states the order of multiplication does not matter (a × b = b × a) is the:**

A. Associative Property
B. Commutative Property
C. Distributive Property
D. Reflexive Property

Q. 192 **A number that can be expressed as a fraction of two integers is called a:**

A. Irrational Number
B. Rational Number
C. Real Number
D. Imaginary Number

Q. 193 **The point where two sides of a polygon meet is called a:**

A. Edge
B. Vertex
C. Base
D. Face

Q. 194 **The simple interest on a principal of Rs. 1000 at 5% per annum for 2 years is:**

A. Rs. 50
B. Rs. 100
C. Rs. 150
D. Rs. 200

Q. 195 **A line segment that connects two points on a curve is called a:**

A. Tangent
B. Chord
C. Secant
D. Diameter

Q. 196 **When expanded, what is (x - 3)(x + 3) equal to?**

A. $x^2 + 9$
B. $x^2 - 9$
C. $x^2 - 6x$
D. $x^2 + 6x$

Q. 197 **Which property is demonstrated by (a + b) + c = a + (b + c)?**

A. Commutative Property
B. Associative Property
C. Distributive Property
D. Reflexive Property

Q. 198 **The distance between two points is called the:**

A. Arc
B. Length
C. Perimeter
D. Radius

Q. 199 The total distance around the outside of a closed figure is called its:

A. Area
B. Perimeter
C. Volume
D. Circumference

Q. 200 Which value is the solution to the equation 3x - 2 = 10?

A. 3
B. 4
C. 5
D. 6

Q. 201 Which point lies on the line y = 2x?

A. (1, 1)
B. (2, 1)
C. (2, 4)
D. (3, 5)

Q. 202 What is the sum of the interior angles of a quadrilateral?

A. 180°
B. 360°
C. 540°
D. 720°

Q. 203 Simplify the expression: 4x - 2x + 7

A. 2x + 6
B. 2x + 7
C. 4x + 7
D. 2x - 7

Q. 204 In any triangle, the side opposite the smallest angle is the:

A. Longest side
B. Shortest side
C. Equal side
D. Median

Q. 205 A solid shape with two parallel circular bases is called a:

A. Cone
B. Cylinder
C. Prism
D. Pyramid

Q. 206 A line that divides a shape into two identical mirror-image halves is called a:

A. Radius
B. Line of symmetry
C. Diameter
D. Axis

Q. 207 The correct plural form of "axis" is:

A. Axises
B. Axes
C. Axis
D. Axions

Q. 208 In a right-angled triangle, which side is opposite the right angle?

A. Base
B. Hypotenuse
C. Height
D. Median

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