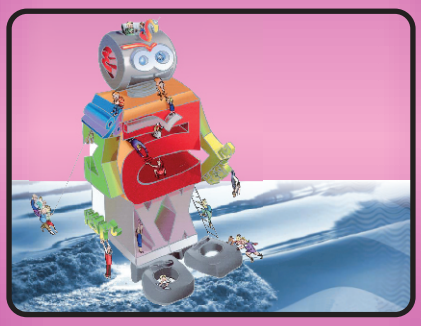
EtG OLYMPIAD EXPLORER



Workbook for

Nationwide Interactive MATHS Olympiad & Other National/International Olympiads/Talent Search Exams.

Based on CBSE, ICSE, GCSE, State Board Syllabus & NCF (NCERT)

100's of Q's with answers

- Chapterwise Practice Q's
- Revision Q's
- Sample Paper

Class 5

EDUHEAL FOUNDATION

• LEARNING FOR LIFE •

EduHeal Foundation conducts 5 Olympiads annually reaching out to 3,500 + Schools ● 4 Lakh + Students ● 50,000 Coordinating Teachers and having 500 Resource persons in English / Maths / Science / Biotech / Computer & 300 Regional Coordinators.

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Contents

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SYLLABUS GUIDELINES
CLASS - V

Based on CBSE, ICSE & GCSE Syllabus & NCF guidelines devised by NCERT.

1. Geometrical Shapes & Spatial Understanding
- Gets the feel of perspective while drawing a 3D object in 2D.
- Gets the feel of an angle through observation and paper folding.
- Identifies right angles in the environment.
- Classifies angles into right, acute and obtuse angles.
- Represents right angle, acute angle and obtuse angle by drawing and tracing.
- Explores intuitively rotations and reflections of familiar 2D shapes.
- Explores intuitively symmetry in familiar 3D shapes.
- Makes the shapes of cubes, cylinders and cones using nets especially designed for this purpose.

2. Numbers and operations
- Finds place value in numbers beyond 1000.
- Appreciates the role of place value in addition, subtraction and multiplication algorithms.
- Uses informal and standard division algorithms.
- Explains the meaning of factors and multiples.

3. Mental Arithmetic
- Estimates sums, differences, products and quotients and verifies using approximation.

4. Fractional Numbers
- Finds the fractional part of a collection.
- Compares fractions.
- Identifies equivalent fractions.
- Estimates the degree of closeness of a fraction to known fractions (½, ¼, ¾ etc.)
- Uses decimal fractions in the context of units of length and money.
- Expresses a given fraction in decimal notation and vice versa.

5. Money
- Applies the four operations in solving problems involving money.

6. Measurement
- Determines area and perimeter of simple geometrical figures.
- Applies the four operations in solving problems involving length, weight and volume.

- Relates commonly used larger and smaller units of length, weight and volume and converts one to the other.
- Applies simple fractions to quantities.
- Converts fractional larger unit into complete smaller units.
- Appreciates volume of a solid body: intuitively and also by informal measurement.
- Uses addition and subtraction in finding time intervals in simple cases.

7. Data Handling
- Collects twodimensional quantitative data.
- Represents the data in the form of a table.
- Draws a bar graph or a pictograph to present a data.

8. Patterns
- Identifies patterns in square numbers, triangular numbers.
- Relates sequences of odd numbers between consecutive square numbers.
- Makes border strip and tiling patterns.

9. Average, Percentage & Ratio Proportion
- Average of quantities.
- Finding quantities when ratio is given.
- Uses & application of percentage.

10. Profit and Loss
- Cost price & selling price

11. Circles, Triangles and Quadrilaterals
- Construction of circle
- Types of triangles.
- Types of quadrilaterals.

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CHAPTER 1

Numbers Theory

Q.1. 17 is a
(a) Prime number (b) Composite number
(c) Negative number (d) None of these

Q.2. What is the value resulted when you subtract a three digits lowest number from five digit lowest number?
(a) 9000 (b) 9900 (c) 9999 (d) None of these

Q.3. 13 × 13 is a
(a) Even number (b) Odd number
(c) Prime number (d) None of these

Q.4. Which of the following is correct?
(a) 10 crores = 1 million (b) 10 crores = 100 million
(c) 10 crores = 10 million (d) None of these

Q.5. The predecessor of number 3,00,00,000 is
(a) 3,00,00,001 (b) 2,99,99,999
(c) 2,99,99,998 (d) None of these

Q.6. Number of zeros in 6 hundred million is
(a) 6 (b) 8 (c) 10 (d) None of these

Q.7. Which is correct
(a) Million > Billion (b) Thousand < Hundred
(c) Lakh > Crores (d) None of these

Q.8. Using 9, 8, 7 what is the 7 digit largest number which can be formed?
(a) 9988777 (b) 9999887 (c) 9999987 (d) None of these

Q.9. 4,00,000 + 20,000 + 700 + 30 + 6 is equals to
(a) 4,27,036 (b) 4,20,736 (c) 4,27,360 (d) None of these

Q.10. Which of the following is correctly written?
(a) 3,98,75,21 (b) 39,8,75,21
(c) 39,87,521 (d) None of these

Q.11. Which is arranged in ascending order?
(a) 97,342 < 93,742 < 92,743 < 94,732
(b) 97,342 < 94,732 < 93,742 < 92,743
(c) 92,743 < 93,742 < 94,732 < 97,342
(d) None of these

Q.12. Three lakh thirty two thousand three hundred forty five in numerals in written as
(a) 3,03,245 (b) 3,32,345
(c) 3,32,354 (d) None of these

Q.13. The number which is 1000 more than 5496 is
(a) 4496 (b) 5596 (c) 6496 (d) None of these

Q.14. The successor of largest six digit number is
(a) The smallest five digit number
(b) The smallest seven digit number
(c) The largest seven digit number
(d) None of these

Q.15. An 8 digit number begins with the _____ place.
(a) One lakh (b) One crore
(c) Ten crores (d) None of these

Q.16. The difference between the largest and smallest six digit number made by 4, 1, 8, 3, 6, 7 is
(a) 7,41,753 (b) 7,42,963
(c) 7,64,531 (d) None of these

Q.17. The place value of 3 in the following number is
87, 37, 564
(a) 3,000 (b) 30,000 (d) 3,00,000 (d) None of these

Q.18. The greatest possible 8 digit number formed by 4, 7, 1, 0, 3, 5 by repeating the digit is
(a) 77754310 (b) 75431077
(c) 77543107 (d) None of these

Q.19. What goes in ◯ ?

9,09,908 ◯ 90,40,908

(a) < (b) > (c) = (d) None of these

Q.20. What goes in □ ?

201,000,001 □ 201,002,799

(a) < (b) < (c) = (d) None of these

Q.21. 34781 round of to the nearest thousand is
(a) 34000 (b) 30000 (c) 35000 (d) None of these

Use the table to answer question 22 through 25.

Five popular female names	
Name	**Number of people**
Mary	3,76,915
Rachna	153,834
Sita	1,48,386
Divya	1,40,500
Meena	1,43,336

Q.22. The most popular of these female names can be written in words as
(a) One lakh fifty three thousand eight hundred thirty four
(b) Three lakh seventy six thousand nine hundred fifteen
(c) Thirty lakh seven thousand six hundred fifteen
(d) None of these

Q.23. For which name(s) does the number of females have a 3 in the thousands place?
(a) Mary (b) Divya (c) Sita (d) Meena

Q.24. Suppose 100 more females had the name Mary. How many would that be?
(a) 3,86,915 (b) 3,77,015
(c) 3,87,915 (d) None of these

Q.25. The expanded form of the number of people with name Divya be written?
(a) 10000 + 4000 + 5
(b) 100000 + 40000 + 500
(c) 100000 + 400 + 50
(d) None of these

Q.26. The value of underlined digit is 705<u>5</u>
(a) 5 × 1 (b) 5 × 10 (c) 5 × 100 (d) None of these

Q.27. What number has 3 thousands, 2 hundreds, 6 tens, and no ones?
(a) 3622 (b) 3260 (c) 3260 (d) None of these

Use the table to answer question 28 and 29.

The amusement park sold these tickets in past 4 days.

Ticket sold	
Sunday	71,684
Monday	77,864
Tuesday	78,162
Wednesday	71,864

Q.28. On which day the amusement park sold the highest number of tickets?
(a) Sunday (b) Tuesday (c) Monday (d) None of these

Q.29. ON which day the amusement park sold the least tickets and how much less than the highest one?
(a) Wednesday, 6,298 (b) Sunday, 6478
(c) Monday, 6180 (d) None of these

Q.30. 20 crores ÷ _____?_____ = 20 thousands
(a) 1000 (b) 10,000 (c) 100 (d) None of these

Use the following chart to answer question 31 to 35.

Number of students sat in Olympiad	
Nationwide Interactive Science Olympiad	49,38,214
Nationwide Interactive Maths Olympiad	52,39,515
Nationwide Biotechnology Olympiad	4,38,549
International English Olympiad	65,45,789
International Cyber Olympiad	32,15,168

Q.31. Number of students appeared in Nationwide Interactive maths Olympiad nearest to ten thousand is
(a) 52,40,000 (b) 50,00,000
(c) 52,49,000 (d) None of these

Q.32. In which olympiad the number of students sat was largest?
(a) Nationwide Interactive Math Olympiad
(b) Nationwide Interactive Science Olympiad

(c) International Cyber Olympiad
(d) International English Olympiad

Q.33. Number of students appeared in International Cyber Olympiad can be written in words as
(a) Sixty five lakhs, forty five thousand one hundred sixty eight.
(b) Thirty two lakhs fifteen thousand one hundred sixty eight.
(c) Four lakh thirty eight thousand five hundred forty nine.
(d) None of these

Q.34. In which olympiad the five is at one lakh place?
(a) Nationwide Interactive Maths Olympiad
(b) International English Olympiad
(c) International Cyber Olympiad
(d) Nationwide Biotechnology Olympiad

Q.35. The difference between the place value of 2 in Nationwide Interactive Maths Olympiad and International Cyber Olympiad is
(a) 18,00,000 (b) 0 (c) 2000 (d) None of these

Q.36. CCC stands for
(a) 1000 (b) 300 (c) 3000 (d) None of these

Q.37. There is no roman number to represent.
(a) 100 (b) 0 (c) 10 (d) None of these

Q.38. Which roman number cannot be repeated?
(a) V (b) L (c) D (d) None of these

Q.39. 500 written in roman numerals is
(a) CCCCC (b) L (c) D (d) None of these

Q.40. Which of the following symbol is not used while writing 30 in roman numerals?
(a) V (b) I (c) L (d) All of these

Q.41. LXXVII is equals to
(a) 70 (b) 77 (c) 72 (d) None of these

Q.42. 58 written in Roman number is
(a) CXL (b) LXXVIII (c) LVIII (d) None of these

Q.43. Which of the following is correct?
(a) VV stands for ten.

(b) A symbol can be repeated upto maximum three times while writing roman numbers
(c) A symbol of value can be written to the left of the symbol of greater value only twice.
(d) None of these

Q.44. What goes in ◇?

XXX ◇ XXXIX

(a) < (b) > (c) = (d) None of these

Q.45. Which of the following is a correct roman numeral?
(a) LL (b) XX (c) CVX (d) None of these

Q.46. MCMXL – CXL equals to
(a) 1525 (b) 1624 (c) 1829 (d) None of these

Q.47. MCD ☐ 1200
(a) = (b) < (c) > (d) None of these

Q.48. Greatest one digit number when written in roman numerals is represented as
(a) X (b) IX
(c) XI (d) None of these

Q.49. Which results in odd number?
(a) 14 × 18 (b) 13 × 27 (c) 258 – 156 (d) None of these

Q.50. Which is correctly matched?
(a) XXIX = 49 (b) XXXII = 32
(c) CLXIX = 165 (d) None of these

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ANSWERS

1.	(a)	2.	(b)	3.	(b)	4.	(b)	5.	(b)	6.	(b)	7.	(d)	8.	(c)
9.	(b)	10.	(c)	11.	(c)	12.	(b)	13.	(c)	14.	(b)	15.	(b)	16.	(a)
17.	(b)	18.	(a)	19.	(a)	20.	(b)	21.	(c)	22.	(b)	23.	(d)	24.	(b)
25.	(b)	26.	(a)	27.	(b)	28.	(b)	29.	(b)	30.	(b)	31.	(a)	32.	(d)
33.	(b)	34.	(b)	35.	(b)	36.	(b)	37.	(b)	38.	(c)	39.	(c)	40.	(d)
41.	(b)	42.	(c)	43.	(b)	44.	(a)	45.	(b)	46.	(b)	47.	(c)	48.	(b)
49.	(b)	50.	(b)												

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CHAPTER 2 Mathematical Operations

Q.1. 77,694 + 66,431 =
(a) 144512 (b) 144125 (c) 145124 (d) None of these

Q.2. 75,278 – 26,606 =
(a) 58672 (b) 48672 (c) 46,782 (d) None of these

Q.3. Sachin bought a chair and a table for the living room. The chair cost Rs. 66.50 and the table cost Rs.52.25. If he buy 3 chairs and 5 table then how much money did Sachin spend in all?
(a) Rs. 450.00 (b) Rs. 460.75
(c) Rs. 500 (d) None of these

Q.4. Look at these numbers:
5 13 399 453
Choose two numbers from the box to complete the subtraction sentence?
---------- — ---------- = 386
(a) 453 – 13 (b) 399 – 13
(c) 453 – 399 (d) None of these

Q.5. Estimate the sum by rounding each number to the nearest hundred and then adding:
372 + 973 = ----------
(a) 1300 (b) 1200 (c) 1400 (d) None of these

Q.6. A carpenter bought a piece of wood that was 0.84 meters long. Then he cut 0.63 metres off the end. How long is the piece of wood now?
(a) 21 meters (b) 0.21 meters
(c) 0.02 meter (d) None of these

Q.7. Rahul bought 100 bags of potatoes. There were 70 potatoes in each bag. How many potatoes did Rahul buy?
(a) 700 (b) 7000 (c) 70000 (d) None of these

Q.8. Estimate the product? Round the first factor to the nearest ten, round the second factor to the nearest ten, and then multiply.
32 × 61 = ?
The product is approximately
(a) 2000 (b) 180 (c) 1800 (d) None of these

Q.9. Estimate the product. Round the first factor to the nearest ten, round the second factor to the nearest hundred, and then multiply.

65 × 154 = ?

The product is approximately

(a) 14000 (b) 6000 (c) 8000 (d) None of these

Q.10. Sania bought 51 boxes of chocolates. There were 30 chocolates in each box. She gave 2 box to her friend. Then how many chocolates did Sania have?

(a) 1470 (b) 1530 (c) 1610 (d) None of these

Q.11. A bus route is 6 Kilometers long. The bus does the route 3 times each day. How many Kilometers will the bus drive in a week?

(a) 126 (b) 621 (c) 261 (d) None of these

Q.12. A parking garage wants to collect Rs.7,289 in parking fees. If the garage charges Rs.5 for each car, about how many cars will it take for the garage to meet the goal? Choose the better estimate.

(a) 14,000 (b) 1,400 (c) 1,200 (d) None of these

Q.13. There are 95 chairs set up in the gym for an assembly. After the assembly, the chairs will be put away in stacks of 17. How many more chair are needed to complete the stacks?

(a) 7 (b) 9 (c) 6 (d) None of these

Q.14. A factory used 194 kilograms of tomatoes to make 4 batches of sauce. What quantity of tomatoes did the factory put in each batch?

(a) 48500 grams (b) 45800 grams
(c) 54000 grams (d) None of these

Q.15. Kavita took the train from New Delhi to Old Delhi. The train went 4 kilometers from New Delhi to Sadar Bazar in 8 minutes. It was 5 kilometers from Sadar Bazar to Old Delhi. How much time Kavita will take to reach Old Delhi?

(a) 1000 sec. (b) 1080 sec.
(c) 1800 sec. (d) None of these

Q.16. Akash has 6 bags of beads. Some of the bags contain 3 red beads and the rest contain 5 brown beads. If Akash has 22 beads in all, how many bags of each colour bead does Akash have?

(a) 4 bags of brown beads & 2 bags of red beads.
(b) 2 bags of brown beads & 4 bags of red beads
(c) 3 bags of brown beads & 3 bags of red beads.
(d) None of these

Q.17. The bookstore received a delivery of 8 boxes. Each box contained 65 books. Nine books were damaged and returned. How many books did the bookstore keep?

(a) 520 (b) 511 (c) 515 (d) None of these

Q.18. What is the product of 6000 × 9000?

(a) 1,50,00,000 (b) 5,40,00,000
(c) 45,00,000 (d) none of these

Q.19. How can you check an answer of a quotient with a remainder?

(a) Quotient × Divident × Divisor = Remainder
(b) Quotient × Divisor – Divident = Remainder
(c) Divident – (Quotient × Divisor) = Remainder
(d) None of these

Q.20. The value comes to be

3,91,54,189 + 4,66,73,956 – 5,81,27, 492 =

(a) 8,58,28,145 (b) 2,77,00,653
(c) 1,70,00,653 (d) None of these

Q.21. The population of a country in the year 1997 was 1,47,37,623. If there were 67,98,564 females then how many males lived in that country?

(a) 80,39,037 (b) 79,39,059
(c) 77,39,059 (d) None of these

Q.22. Which of the following is false?

(a) 39470 + 0 = 39470 (b) 39470 – 0 = 39470
(c) 39470 × 0 = 39740 (d) None of these

Use following table to answer questions 23 to 27.

Following table gives a data of liters of soft drink each container contains.

Container	In liter
Small bottle	16
Medium bottle	32
Large bottle	64
Powder packet	320 (when mixed with water)

Q.23. A family buys 2 cases of the small bottles of soft drink. If there are 24 bottles per case, about how many litres of soft drink did the family buy?
(a) 385 litres (b) 768 litres
(c) 192 litres (d) None of these

Q.24. Suppose another family buys 2 cases of the large bottles. If there are 8 large bottles in each case, does the family buy the same, more or fewer litres of soft drink than the family in problem 23.
(a) same (b) more (c) fewer (d) None of these

Q.25. A box of soft drink has 12 rows of bottles and 24 bottles in each row. Each row is 8 bottles deep. A clerk estimates the total number of bottles :
$(12 \times 24) \times 8 \simeq (10 \times 30) \times 10$
$300 \times 10 = 3{,}000$ bottles. What did he do wrong?
(a) rounding 12 (b) rounding 24
(c) while doing multiplication
(d) None of these

Q.26. A store owner orders 180 cases of small bottles and 85 cases of medium bottles of soft drink. If there are 24 small bottles per case and 12 medium bottles per case, about how many bottles are there in all?
(a) 4320 (b) 1020 (c) 5340 (d) None of these

Q.27. $(6 + 8) - (44 - 16) \div 2$ is equals to
(a) 2 (b) 1 (c) 0 (d) None of these

Q.28. $2 \times 2 - 2 \div 2 + \{2 \times 2 - (2 \div 2 + 2)\}$ equals to
(a) 0 (b) 3 (c) 4 (d) None of these

Q.29. 2 of 12 equals to
(a) 6 (b) 14 (c) 24 (d) None of these

Q.30. While simplifying an equation.
(a) Addition should be done before division
(b) Division should be done before multiplication
(c) Subtraction should be done before addition
(d) None of these

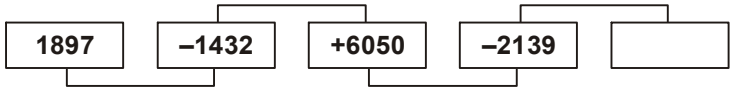
Q.31. If i = 5, j = 20 and k = 15 then the value of $2 \times (i \times j \times k)$ is equals to
(a) 300 (b) 3000 (c) 1500 (d) None of these

Q.32. There are 315 pages in a book. If Dheeraj read 5 pages daily. In how many days will he finish the complete book?
(a) 100 days (b) 53 days (c) 80 days (d) None of these

Q.33. 3679 divided by 7 gives remainder of
(a) 5 (b) 6 (c) 4 (d) None of these

Q.34. In a garden there are 95 rows and in a each row there are 115 flowers. How many flowers are there in the garden?
(a) 9900 (b) 9837 (c) 10925 (d) None of these

Q.35. See the following chart and answer.



(a) 6515 (b) 4376 (c) 5376 (d) None of these

Q.36. The sum of consecutive odd number between 1 and 20 is
(a) 110 (b) 100 (c) 120 (d) None of these

Q.37. Which equation is equals to $59598 \div 23$?
(a) $2591 \times 23 + 5 = 59598$
(b) $59598 \div 23 = 2591 \times 23$
(c) $59598 \div 2591 = 23 \times 5$
(d) None of these

Q.38. '2 digit number multiplied by two digit number cannot give a product of more than 4 digit' the statement is
(a) Partially true (b) Partially false
(c) Completely true (d) None of these

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ANSWERS

1.	(b)	2.	(b)	3.	(b)	4.	(b)	5.	(c)	6.	(b)	7.	(b)	8.	(c)
9.	(a)	10.	(a)	11.	(a)	12.	(b)	13.	(a)	14.	(a)	15.	(b)	16.	(b)
17.	(b)	18.	(b)	19.	(c)	20.	(b)	21.	(b)	22.	(c)	23.	(b)	24.	(b)
25.	(b)	26.	(c)	27.	(c)	28.	(c)	29.	(c)	30.	(b)	31.	(b)	32.	(d)
33.	(c)	34.	(c)	35.	(b)	36.	(b)	37.	(a)	38.	(c)				

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NATIONWIDE INTERACTIVE MATHS OLYMPIAD (NIMO) SAMPLE PAPER

Total duration : 40 Minutes **Total Marks :** 25

SECTION - A

MENTAL ABILITY

1. Meenakshi has 100 chocolates in her packet. Starting on 2nd June, she ate two chocolates daily.

★ ★ ★ ★ JUNE ★ ★ ★ ★						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

On which day the packet will be half empty?

(a) June 20 (b) June 23 (c) June 26 (d) None of these

2. A shape has

- exactly four angles
- exactly four sides
- sides that are all of the same length.

Which could be the shape?

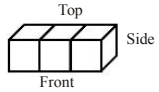
(a) rhombus (b) pentagon (c) hexagon (d) None of these

3. Look at this pattern

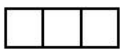
What are the next three shapes in the pattern?

(a) (b) (c) (d) None of these

4. The figure below is made of 3 small cubes.



Which best shows the side view of the figure?

(a)  (b)  (c)  (d) None of these

5. Which two shapes can be put together side by side to make a rectangle?

(a)  (b)  (c)  (d) None of these

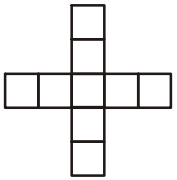
SECTION - B

MATHEMATICS

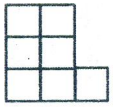
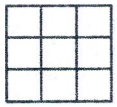
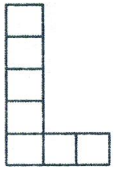
6. What decimal represents one-fourth of a rupee?

(a) Rs. 0.05 (b) Rs. 0.25 (c) Rs. 2.50 (d) None of these

7. Look at this figure



Which of the following has the same areas as the figure above?

(a)  (b)  (c)  (d) none of these

8. Look at this tally chart

Favorite Colour

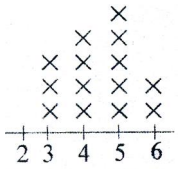
Red	IIII
Blue	IIII I
Purple	III
Yellow	II
Green	IIII

What colours were the favourites of four or more people?

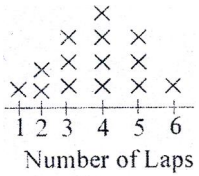
(a) yellow, blue, green (b) purple and yellow
(c) red, blue and green (d) none of these

9. Sheela made a line plot to show how many laps students in her class ran around a track.
The greatest number of laps a student ran was 6
The fewest number of laps a student ran was 2
Which line plot Sheela have made? (X represents 1 student)

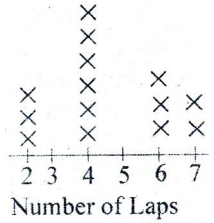
(a)



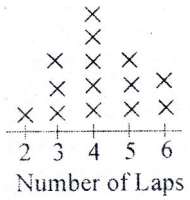
(b)



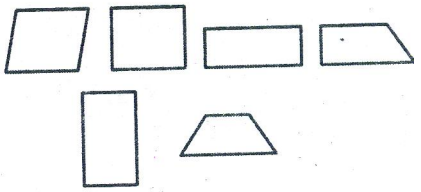
(c)



(d)



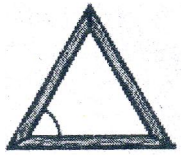
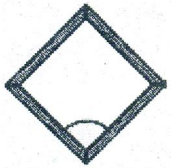
10. Look at these six shapes.

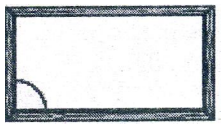
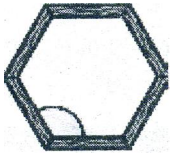


Write one way the six shapes are alike

(a) They all have four angles of equal measurements
(b) They all have 2 sets of parallel lines.
(c) They all are quadrilateral
(d) None of these

11. Mr. Hassan makes frames. In which frame has he identified angle more than 90°?

(i)  (ii) 

(iii)  (iv) 

(a) ii, iii & iv (b) i, ii & iv
(c) iv only (d) none of these

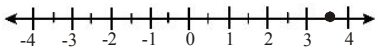
12. How is $\frac{3}{8}$ written as a percent?

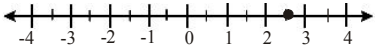
(a) 26.7% (b) 30% (c) 37.5% (d) None of these

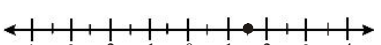
13. A company donated 200 books to a local library. If 70 of them are fiction, what percent of the donated books are fiction?

(a) 35% (b) 40% (c) 60% (d) None of these

14. Which point on the number line best represents 1.35?

(a) 

(b) 

(c) 

(d) None of these

15. At a school, there are 704 desks to place into 22 classrooms. If the

same number of desks is placed in each classroom, how many desks will be in each room?

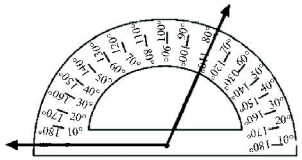
(a) 32 (b) 34 (c) 42 (d) None of these

16. What value for z makes this equation true?

$$8 \times 37 = (8 \times 30) + (8 \times z)$$

(a) 7 (b) 8 (c) 30 (d) None of these

17. Which is closest to the measure of the angle shown below?



(a) 70° (b) 110° (c) 100° (d) None of these

18. The total land area of the India is 3287263 km^2. What is the value rounded to the nearest thousand square kilometers

(a) 3,280,000 (b) 32,90,000 (c) 3,282,000 (d) None of these

19. Ms. Shiba's class recorded the temperature each day for one week. What was the range in temperature between the highest and lowest temperature?

Sunday - 65° Monday - 68° Tuesday - 75°
Wednesday - 68° Thursday - 68° Friday - 64°
Saturday - 63°

(a) 12° (b) 20° (c) 63° (d) None of these

20. The common factors of 8 and 12 are 1, 2 and 4. Which of these numbers have the most common factors

(a) 64 and 52 (b) 36 and 54 (c) 35 and 105 (d) None of these

21. Which of the given clock makes an angle of 90°

(a)  (b)  (c)  (d)None of these

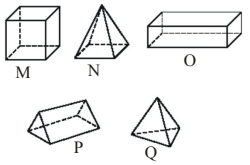
SECTION - C
INTERACTIVE SECTION

22. Which statement is true?

1. One line segment can divide a triangle into two smaller triangles.
2. One line segment can divide a square into two smaller squares.
3. One line segment can divide a circle into two smaller circles.
4. One line segment can divide a hexagon into two smaller hexagons.

(a) only 3 & 4 (b) only 1
(c) only 4 (d) None of these

23. Julie and Dia each picked a mystery solid from the ones shown below.



Here are the clues to Julie's mystery solid.

Clue 1 : The mystery solid is a prism.

Clue 2 : The mystery solid has 5 faces.

Which solid is Julie's mystery solid?

(a) M (b) O (c) P (d) None of these

24. There is a total of 75 peanuts in the bowls and on the table shown below

There is the same number of peanuts in each bowl. How many peanuts are in each bowl?

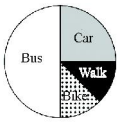
(a) 12 (b) 19 (c) 23 (d) None of these

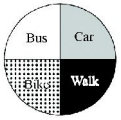
25. Students were asked how they travelled to school each day. The table below shows these results

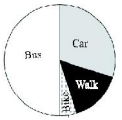
Travel to School

Type of Travel	Percentage
Bus	50%
Car	30%
Walk	15%
Bike	5%

Which graphic correctly displays these data?

(a) 

(b) 

(c) 

(d) None of these

☺ END OF THE EXAM ☺

ANSWERS

1.	(c)	**2.**	(a)	**3.**	(b)	**4.**	(a)	**5.**	(a)
6.	(b)	**7.**	(b)	**8.**	(c)	**9.**	(d)	**10.**	(c)
11.	(c)	**12.**	(c)	**13.**	(a)	**14.**	(c)	**15.**	(a)
16.	(a)	**17.**	(b)	**18.**	(b)	**19.**	(a)	**20.**	(b)
21.	(c)	**22.**	(b)	**23.**	(c)	**24.**	(c)	**25.**	(c)

☺☺☺