

LOGICAL REASONING

1. Observe the figures below. Three figures are similar in some way and one figure is different. Identify the figure which is different.



2. If $\blacktriangle = 2$, $\blacklozenge = 4$, what is the sum of this pattern?

$\blacktriangle \blacklozenge \blacktriangle \blacklozenge = ?$

- a) 12 b) 10 c) 8 d) 6
3. Choose the correct pair of numbers that fit:
___ , 5, ___ , 9, 11
a) 3, 7 b) 4, 8 c) 2, 6 d) 1, 7
4. Which group of letters is in correct alphabetical order?
a) D, B, A, C b) F, E, G, H c) L, M, N, O d) Z, W, X, Y
5. Tina says, "Rohan is my brother."
Who is Rohan to Tina?
a) Cousin b) Uncle c) Brother d) Father

MATHEMATICS

6. Which of the following numbers is the smallest 4-digit number using 3, 0, 9, 1 only once?

- a) 1309 b) 1039 c) 1093 d) 1030

7. Choose the correct statement:

- a) 9000 is greater than 8909
b) 4099 is less than 4909
c) 6006 is even and odd
d) 3050 is the greatest among 5030, 3050, 5300

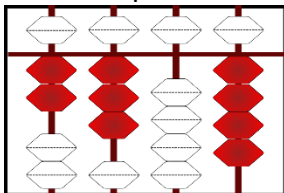
8. True or False:

- a) 3001 is an odd number.
b) The number before 1000 is 999.
c) 5005 is smaller than 4555.
d) 7890 is divisible by 2.

9. Which of the following numbers is both a multiple of 5 and 10?

- a) 205 b) 300 c) 215 d) 507

10. Picture-based question



What number is shown on the abacus?

- a) 2304 b) 2340 c) 2430 d) 2403

11. Which of the following is the correct subtraction:

- a) $702 - 398 = 304$ b) $600 - 450 = 150$
c) $889 - 111 = 778$ d) $509 - 299 = 300$

12. Choose the correct option:

- a) $300 + 200 = 600$ b) $1000 - 0 = 1000$
c) $800 - 500 = 200$ d) $123 + 321 = 445$

13. I am thinking of two numbers. Their difference is 120, and their sum is 480.

What are the numbers?

- a) 300, 180 b) 310, 190 c) 250, 230 d) 280, 200

14. Match the word problem to the operation:

- Ria gave 25 candies from 60 to her friend → a) Addition
- Tanu collected 34 shells and then 26 more → b) Subtraction
- Aman had ₹100 and lost ₹25 → c) Subtraction
- Ananya bought 2 books and got 3 more → d) Addition

15. Fill the blanks:

___ + ___ = 500, where one number is 247.

- a) $247 + 253$ b) $247 + 267$ c) $247 + 207$ d) $247 + 277$

16. Find how many are correct:

a) $200 + 300 = 500$

b) $500 - 250 = 300$

c) $900 - 100 = 800$

d) $699 + 1 = 700$

How many are correct?

- a) 1 b) 2 c) 3 d) 4

17. Match the Word Problems to Operations

| Word Problem | Match to Operation |
|--|--------------------|
| 1. Anil had ₹900. He spent ₹300. | a) $900 - 300$ |
| 2. Maya has ₹150. She found ₹75 more. | b) $150 + 75$ |
| 3. A class had 430 students. 120 were absent. | c) $430 - 120$ |
| 4. Shreya bought a toy for ₹420 and a doll for ₹360. | d) $420 + 360$ |

a) 1-B, 2-A, 3-D, 4-C

b) 1-A, 2-B, 3-C, 4-D

c) 1-C, 2-D, 3-A, 4-B

d) 1-D, 2-C, 3-B, 4-A

18. Which of these number pairs have a difference of exactly 250?

- a) 700 & 450 b) 850 & 600 c) 1000 & 750 d) 900 & 650

19 You subtract me from 1000 and still get 1000. Who am I?

- a) 0 b) 1 c) 1000 d) 999

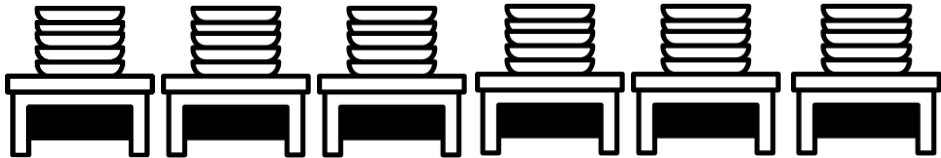
20. A basket has 8 rows of mangoes, and each row has 9 mangoes. If 12 mangoes are removed, how many are left?

- a) 72 b) 60 c) 84 d) 96

21. Which one is incorrect?

- a) $7 \times 3 = 21$ b) $3 \times 0 = 3$ c) $12 \div 3 = 4$ d) $4 \times 5 = 20$

22. How many plates did she arrange in total?



- a) 30 b) 11 c) 56 d) 26

23. Which number gives the same result when multiplied by 1 and when divided by 1?

- a) 0 b) 1 c) Any number d) None of these

24. Match the following:

| A | B |
|------------------|------|
| i. $36 \div 6$ | a. 3 |
| ii. $45 \div 5$ | b. 7 |
| iii. $21 \div 3$ | c. 6 |
| iv. $24 \div 8$ | d. 9 |

- a) $i \rightarrow a$, $ii \rightarrow b$, $iii \rightarrow c$, $iv \rightarrow d$ b) $i \rightarrow b$, $ii \rightarrow a$, $iii \rightarrow d$, $iv \rightarrow c$
c) $i \rightarrow c$, $ii \rightarrow d$, $iii \rightarrow b$, $iv \rightarrow a$ d) $i \rightarrow d$, $ii \rightarrow c$, $iii \rightarrow a$, $iv \rightarrow b$

25. How many of the following are correct?

$$6 \times 4 = 24, 24 \div 4 = 6, 4 \times 6 = 26, 24 \div 6 = 4$$

- a) 4 b) 3 c) 2 d) 1

26. Identify the shape.



- a) Cube b) Square c) Cuboid d) Prism

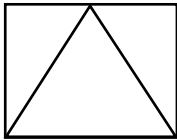
27. Which of the following is NOT a 3D shape?

- a) Sphere b) Rectangle c) Cone d) Cylinder

28. Identify the odd one out:

- a) Sphere b) Cone c) Rectangle d) Cylinder

29. How many total sides are there in this figure?

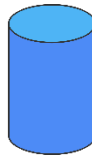
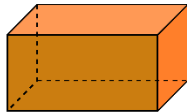
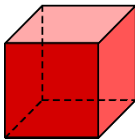


- a) 4 b) 5 c) 6 d) 7

30. A clock is circular. A ball is spherical. What shape is a dice?

- a) Cuboid b) Sphere c) Cube d) Cone

31. Which shapes can stack on top of each other without rolling?



- a) Cube and Cylinder b) Cube and Cuboid
c) Cylinder and Sphere d) All of these

32. Which of these months have 31 days?

- a) June b) April c) September d) July

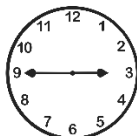
33. Rohan played football from 4:10 PM to 5:40 PM. How many minutes did he play?

- a) 90 min b) 80 min c) 60 min d) 100 min

34. If today is Monday, what day will it be after 15 days?

- a) Tuesday b) Wednesday
c) Thursday d) Monday

35. Which clock shows quarter past 2?



- a) Clock A b) Clock B c) Clock C d) Clock D

36. Find the incorrect pair:

- a) 1 week = 7 days b) 1 hour = 30 minutes
c) 1 year = 12 months d) 1 day = 24 hours

37. Choose the correct option: A leap year has –

- a) 365 days in a year b) 31 days in February
c) 366 days in a year d) 28 days in February

38. Rearrange to form the correct order of months:

- i) May ii) March iii) June iv) April
a) ii, iv, i, iii b) iv, ii, i, iii c) ii, i, iii, iv d) ii, iv, iii, i

39. Choose the correct option:

- a) February → 28 or 29 days, June → 30 days, August → 31 days, May → 31 days
b) February → 30 days, June → 31 days, August → 28 or 29 days, May → 30 days
c) February → 31 days, June → 28 or 29 days, August → 30 days, May → 31 days
d) February → 28 or 29 days, June → 31 days, August → 30 days, May → 30 days

40. Raju measured his table using a ruler and found it to be 120 cm long. What is the length in meters?

- a) 12 m b) 1.2 m c) 1200 m d) 0.12 m

41. Choose the incorrect conversion:

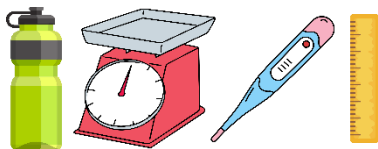
- a) 1000 m = 1 km b) 100 cm = 1 m
c) 1000 ml = 1 l d) 1 m = 10 cm

42. Match the following:

| Unit | |
|-----------|-----------------------------|
| Litres | → a) Height of a building |
| Kilograms | → b) Milk container |
| Meters | → c) Weight of a watermelon |
| Grams | → d) Weight of a chocolate |

- a) Litres-b, Kilograms-c, Meters-a, Grams-d
b) Litres-a, Kilograms-b, Meters-c, Grams-d
c) Litres-c, Kilograms-d, Meters-a, Grams-b
d) Litres-b, Kilograms-a, Meters-d, Grams-c

43. Picture-based:



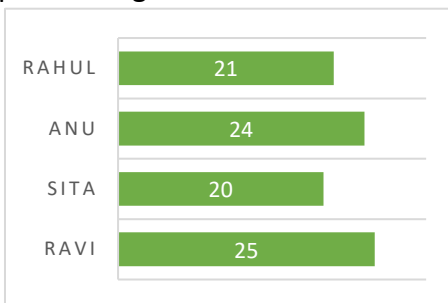
Match the object with its unit of measurement.

- a) Bottle - ml, Ruler - cm, Thermometer - °C, Machine - kg
- b) Bottle - °C, Ruler - kg, Thermometer - ml, Machine - cm
- c) Bottle - g, Ruler - °C, Thermometer - cm, Machine - ml
- d) All matched incorrectly

44. Choose the correct statement:

- a) Temperature is measured in kilograms
- b) Length is measured in litres
- c) Mass is measured in grams
- d) Water is measured in meters

45. Look at the picture (Bar graph showing number of books read by four students).



Who read the most books?

- a) Ravi
- b) Sita
- c) Anu
- d) Rahul

46. Look at the table below:

| Pet | Number |
|------|--------|
| Cat | 6 |
| Dog | 8 |
| Fish | 2 |

How many more dogs than fish?

- a) 2
- b) 4
- c) 6
- d) 8

47. Complete the pattern of tally marks:

|||| + ||| = ?

- a) |||| |||
- b) |||| |||
- c) ||||
- d) |||

48. Which shape has 3 sides and 3 corners?

- a) Square b) Circle c) Triangle d) Rectangle

49. If it is 3:15 now, what time will it be after 45 minutes?

- a) 4:00 b) 4:15 c) 3:45 d) 5:00

50. In a bar graph, which bar is the tallest?

- The one that shows the least value
- The one that shows the maximum value
- All bars are same
- The one in the middle

ANSWER KEY

[illegible]