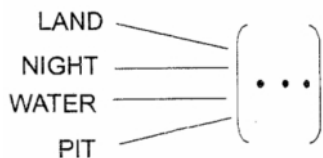


1. Insert the proper suffix, which is common to all



- A. UTE
- B. AND
- C. END
- D. FALL

2. Mr. Verma is given a chart for a function machine. What is the best way for him to determine the output number for 49?

Function Machine Results	
Input number	Output number
33	132
56	224
12	48
49	

- A. Use a number line graph
- B. Draw a circle graph
- C. Draw a pictograph
- D. Find a pattern

3. If all even numbers from 10 to 24, are arranged in descending order from top to bottom, then which number will be at 5th place from the bottom?

- A. 10
- B. 12
- C. 16
- D. 18




4. Leaving her office, Prabha took the elevator up 5 floors to a meeting. She then went down 12 floors to the cafeteria. The cafeteria is located on the fourth floor. Where is Prabha's office located?

- A. On the eleventh floor
- B. On the tenth floor
- C. On the fifth floor
- D. On the third floor

5. Among the answer figures, which one can be formed by using the given cut-out pieces?



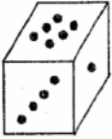

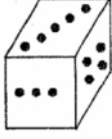

A.

- B. 
- C. 
- D. 

6. In the given series find the number which shall come in the place of ?
25, 22, 30, ?, 35

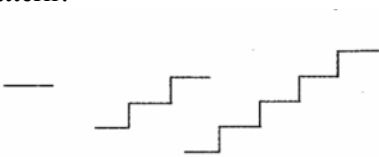
- A. 27
- B. 26
- C. 28
- D. 29

7. If the sum of black dots on the opposite faces of a dice is always 7, then which one of the following figure is correct?

- A. 
- B. 
- C. 
- D. 

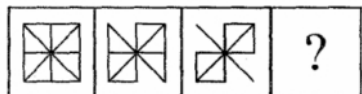
Yagna Innovation

8. Use the pattern below to answer the question. How many line segments are needed to make the fourth figure in the pattern?

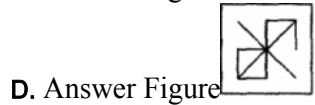
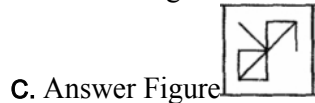
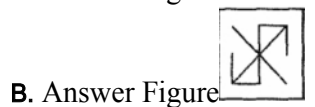
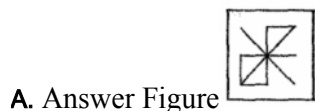


- A. 11
- B. 13
- C. 15
- D. 17

9. Find which one of the answer figures would occupy the fourth position in the problem figure if they continue to change in the same order



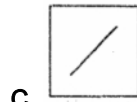
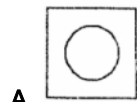
Problem Figures



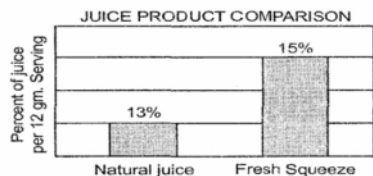
10. If A is B's brother, B is C's sister and C is D's father then D is A's

- A. Brother
- B. Sister
- C. Nephew
- D. Data inadequate

11. among the four figures A, B, C and D, three are alike in some way but the fourth one is different. Find it



12. Indu saw an advertisement for Fresh Squeeze juice that included the graph shown below



Which one of the following characteristics makes the graph misleading?

- A. The bars are in the wrong order

- B. The data is represented on a bar graph instead of a circle graph
- C. The amount of juice is expressed as a percent rather than in ml
- D. The scale increments make the percent of juice in Fresh Squeeze appear to be 3 times greater than the percent of juice in Natural juice

13. Select the answer figure in which the problem figure is hidden?



- A.
- B.
- C.
- D.

14. Which of the following cannot be the first day of a century year?

- A. Friday, Wednesday
- B. Saturday, Friday
- C. Tuesday, Sunday
- D. Thursday and Monday

15. If English alphabets are written in reverse order what will be seventh letter on the right of the 12th letter from the left?

- A. F
- B. G
- C. H
- D. S

16. Norton, McAfee, Doctor Soloman are

- A. Viruses
- B. Anti viruses
- C. Compilers
- D. Application software

17. Match the following

Column-A	column -B
P. Hybrid computer	1. Father of modern computer
Q. Computer	2. First calculating machine
R. Harvard Mark 1	3. High speed calculating machine
S. Charles Babbage	4. Combination of digital and analog computers

- A. P-4, 0-3, R-2, S-1
- B. P-1, Q-3, R-4, S-2
- C. P-2, 0-3, R-4, S-1
- D. P-1, 0-2, R-3, S-4

18. On your desktop computer, offers the most direct way to locate a file on your computer

- A. Internet search
- B. Search companion
- C. Both (A) and (B)
- D. None of these

19. In MS Word, Mail Merge feature, field placeholders are indicated by

- A. >> <<
- B. <<◇>>
- C. { }
- D. []

20. Cut, copy and paste are the parts of which menu?

- A. VIEW
- B. FAVORITES
- C. FORMAT
- D. EDIT

21. Which of the following is used to explore the Internet?

- A. Browser
- B. Spreadsheet
- C. Clipboard
- D. Draw

22. The CPU chip used in a computer is partially made of

- A. Copper
- B. Iron
- C. Gold and silver
- D. Silicon

23. A computer virus can

- A. Damage data
- B. Render the system slow
- C. Copy without any knowledge onto floppies used in infected computers
- D. All of these

24. The first computer used to store programs

- A. EDSAC
- B. ENIAC
- C. EDVAC
- D. ACE

25. Internet is a system of computers all over the world that are linked to one another. This type of system is considered

- A. An electronic database
- B. A local area network (LAN)
- C. A stand alone system
- D. A wide area network (WAN)

26. Which of the following is a secondary memory device?

- A. Keyboard
- B. Disk
- C. ALU
- D. All of these

27. System performance can be judged by its -

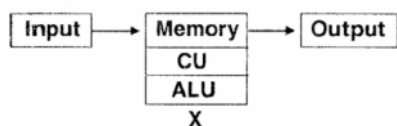
- A. No. of computer jobs
- B. Speed
- C. Through output
- D. Time to complete a job

28. WWW stands for

- A. World Wild Web
- B. World Wide Web
- C. Web World Wide
- D. World Watch Web

29. The printers that print one line at a time are

- A. Line printer
- B. Character printer
- C. Thermal printer
- D. Page printer



30. X in the given figure is

- A. Nervous system of computer
- B. Eyes of computer
- C. Brain of computer
- D. Face of computer

31. Neeta wants to combine a picture of a starfish with the short story. She wrote about her visit to the beach. Which of the following is the best program to do this?

- A. Database
- B. Spreadsheet
- C. Word processing
- D. Calendar program

32. It is a program designed by a computer programmer to do a certain unwanted function, It can be very destructive and can damage some or even all program and files. This is usually passed from computer to computer by

- A. Cable connection
- B. Internet
- C. Files
- D. Mouse

33. Which of these websites would most likely give instructions on how to make a kite?

- A. Sun & Breeze - Wind conditions for kite flying
- B. Sandy's Kite Page - Pictures of my kite flying competition
- C. Tony's Kite Page - Kite building, images and events
- D. Kitesurfing - Tricks to do with your kite

34. When a part of a picture is hidden, the picture is ...

- A. Resized
- B. Cropped
- C. Scaled
- D. Wrapped

35. To return a window to its previous size, i.e original size in which it was opened

- A. Minimize
- B. Maximize
- C. Restore
- D. Close

$$\text{Cup} \times \text{Burger} = 3216$$

$$\text{Cup} \times \text{Cup} = 2304$$

36. Find the value of $\text{Burger} + \text{Burger}$

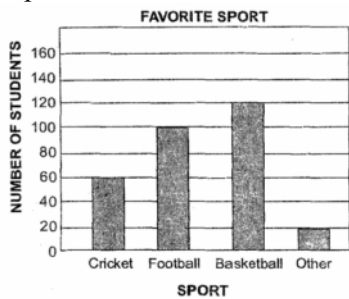
- A. 134

- B. 48
C. 69
D. 84

37. A number is divisible by 9 if,

- A. The sum of the digits is divisible by 3
B. The sum of the digits is divisible by 9
C. The last digit is divisible by 9
D. Both (B) and (C)

38. Jagdish surveyed the students at his school to determine their favorite sport. The results are shown in the following graph



What percent of the students selected cricket?

- A. 20%
B. 30%
C. 40%
D. 60%

39. Ramesh's family needs to set aside Rs. 3,000 for monthly expenses. The list below shows where the money is being spent.

Feed	Rs. 600
Housing	Rs. 1,500
Electricity and Telephone	Rs. 200
Clothes	Rs. 200
Car repairs and Gas	Rs. 300
Emergencies and Children's Allowances	Rs. 200

If a circle graph (pie chart) is constructed, about what fraction of the circle will represent food expenses?

- A. $\frac{1}{2}$
B. $\frac{1}{3}$
C. $\frac{1}{5}$
D. $\frac{1}{10}$

40. Simplify $15 - [13 - \{8 - (6 - 5 - 1)\}] = ?$

- A. 8
- B. 10
- C. -2
- D. 7

41. It $h = 3$ and $k = 4$, then $\frac{hk + 4}{2} - 2 =$

- A. 6
- B. 7
- C. 8
- D. 10

42. $\frac{1}{4}$ is equivalent to

- A. 25%
- B. 30%
- C. 50%
- D. 75%

43. Neeta was given the following numbers to add.

$$\begin{array}{r} 654 \\ 375 \\ 283 \\ 185 \\ 277 \\ + 246 \\ \hline \end{array}$$

She quickly added the ones column by adding $(4 + 6)$, $(7 + 3)$, then $(5 + 5)$.

This gave her three tens or 30. Which properties of addition did she use to quickly arrive at the first part of her answer?

- A. Associative and distributive properties
- B. Commutative and associative properties
- C. Commutative and distributive properties
- D. Associative and inverse properties

44. Gupta's family is going to see a movie. Admission is Rs. 30 for children and Rs. 50 for adults. Based on this information, which statement is true?

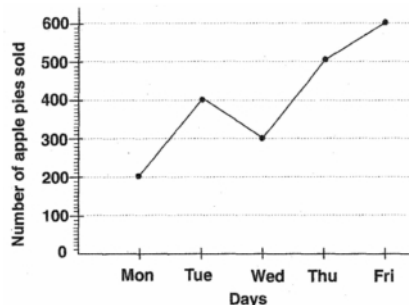
- A. The admission cost is the same for 3 children as for 3 adults
- B. The admission cost is the same for 5 children as for 3 adults
- C. The admission cost is the same for 3 children as for 5 adults
- D. The admission cost is the same for 5 children as for 5 adults

45. $2 \times 2 \times 5$ shows the prime factorization of which number?

- A. 10
- B. 12
- C. 20

D. 100

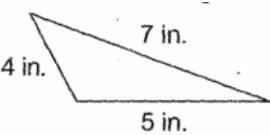
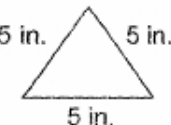
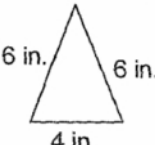
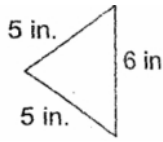
46. The line graph below shows the number of apple pies Vishal sold over a period of five days. Study it carefully and answer the following question.



How much more money did Vishal earn on Thursday than on Monday?

- A. Rs. 390
- B. Rs. 660
- C. Rs. 510
- D. Rs. 900

47. Which of the following is a model of a scaene triangle?

- A. 
- B. 
- C. 
- D. 

48. Which of the following times on the face of a clock show the hour hand and the minute hand that are perpendicular?

- A. 10:00 and 2:00
- B. 3:00 and 6:00
- C. 3:00 and 9:00
- D. 4:00 and 8:00

49. The product of two irrational numbers

- A. Is always irrational
- B. Is always rational
- C. May be rational in some cases and irrational in some other cases
- D. An integer

50. Anita collects postage stamps. She has $\frac{16}{64}$ of the postage stamps in her collection. What is $\frac{16}{64}$ expressed as a percent?

- A. 75%
- B. 25%
- C. 35%
- D. 20%

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