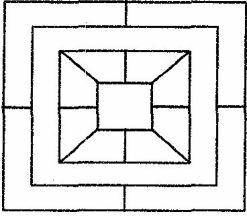


1. What is the minimum number of colours required to fill the spaces in the diagram without the adjacent sides having the same colour?



- A. 2
- B. 3
- C. 4
- D. 6

Right Answer:: B

2. What is 40% of $10/7$?

- A. 2.7
- B. $4/7$
- C. $10/28$
- D. $11/28$

Right Answer:: B

3. The bacteria in a culture grows by 7% in the first hour, decreases by 6% in the second hour and again increases by 5% in the third hour. If at the end of the third hour the count of bacteria is 11270000. The original count of bacteria in the sample is.....

- A. 1067×10^5
- B. 1127×10^5
- C. 11270000
- D. None of these

Right Answer:: D

4. Income of a company doubles after every one year. If the initial income was Rs. 4 lakhs, what would be the income after 5 years?

- A. Rs. 1.24 crores
- B. Rs. 1.28 crores
- C. Rs. 2.56 crores
- D. None of these

Right Answer:: B

5. In a four-sided field, the longer diagonal is 110 m. The perpendiculars from the opposite vertices upon the longer diagonal are 16.6 m and 13.4 m. Find the area of the field

- A. 1320 m^2
- B. 1600 m^2
- C. 1640 m^2
- D. 1650 m^2

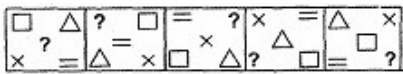
Right Answer:: D

6. Sidh places 7 red cards, 9 blue cards, and 4 yellow cards in a bag. All the cards are of the same size and shape. He randomly selects a card. It is yellow. He does not replace it. Sidh randomly selects a second card from the bag. what is the probability that he will select a blue card ?

- A. $\frac{9}{19}$
 B. $\frac{9}{20}$
 C. $\frac{1}{5}$
 D. $\frac{1}{9}$

Right Answer:: A

7. The following questions consist of five figures marked A, B, C, D and E called the Problem Figures. Select a figure from amongst the alternatives which will continue the same series as established by the five Problem Figure



Problem set

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

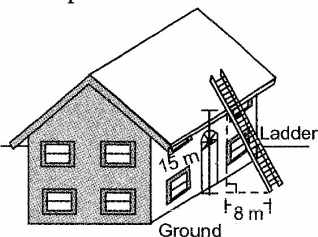
Right Answer:: B

8. A manufacturer offers a 20% discount on the marked price of a product. The retailer offers another 30% discount on the reduced price. The two successive discounts are equivalent to a single discount of _____

- A. 42%
 B. 44%
 C. 46%
 D. 50%

Right Answer:: B

9. Using the measures shown in the sketch, what is the length of the section of the ladder from the point where it rests on the ground to the point where it touches the house?



- A. 4.8m

- B. 7m
- C. 17 m
- D. 23 m

Right Answer:: C

10. A company is selling a new book in two sizes. The dimensions of the bigger book will be 18 inches by 12 inches. The ratio of the dimensions of the two books will be 3: 1. What will be the dimensions of the smaller book?

- A. 54 inches x 36 inches
- B. 15 inches x 9 inches
- C. 6 inches x 4 inches
- D. 3 inches x 1 inch

Right Answer:: C

11. If $b \neq d$, the fractions $\frac{ax+b}{cx+d}$ and $\frac{b}{d}$ are unequal if

- A. $a = c = 1$ and $x \neq 0$
- B. $a = b = 0$
- C. $a = c = 0$
- D. $x = 0$

Right Answer:: A

12. figure (X) followed by four figures (A), (B), (C) and (D) such that (X) is embedded in one of them. Trace out the correct alternative

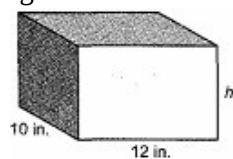


Fig X

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

Right Answer:: C

13. The volume of a rectangular solid is 960 cubic inches. The dimensions of the base are 12 inches by 10 inches

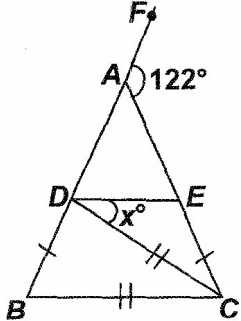


What is the height of the solid?

- A. 4 in
- B. 8 in
- C. 120 in
- D. 840 in.

Right Answer:: B

14. In the given figure, $AB = AC$, $BC = CD$ and $DE \parallel BC$. Find the measure of $\angle x$



- A. 54°
- B. 61°
- C. 58°
- D. 72°

Right Answer:: C

15. The price of an article was increased by $r\%$. Later the new price was decreased by $r\%$. If the latest price was Re. 1, then the original price was _____.

- A. Re. 1

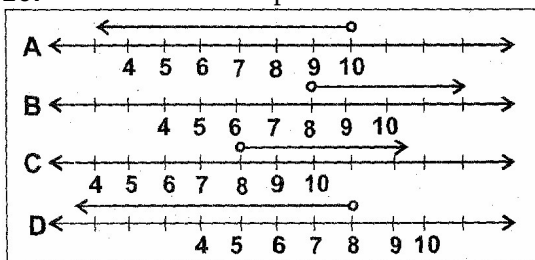
B. $RS \left(\frac{1-r^2}{100} \right)$

C. $RS \frac{\sqrt{1-r^2}}{100}$

D. $RS \left(\frac{10000}{10000-r^2} \right)$

Right Answer:: D

16. Choose the correct option which shows the inequality for $x < 8$ expressed on a given number line, where $x \in \mathbb{R}$.



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

Right Answer:: D

17. Mohit weighs 60 pounds more than Danish. Danish weighs.. twice as much as Manish. Manish weighs 120 pounds. How much does Mohit weigh?

- A. 300 pounds
- B. 180 pounds
- C. 120 pounds
- D. 240 pounds

Right Answer:: A

18. Select the figure from the four alternatives, which when placed in the blank space of the problem figure would complete the pattern.



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

Right Answer:: D

19. STETHOSCOPE ; MEDICAL ; PRACTITIONER : :

.....

- A. Doctor : medicines
- B. Surgeon : operation theater
- C. Thermometer : doctor
- D. Matiny idol : silver screen

Right Answer:: C

20. Find the odd one out

- A. Commander
- B. Commodore
- C. Brigadier
- D. Admiral

Right Answer:: D

21. I travelled eastward 15 km and another 10 km southward. I turned westward and moved 10 km and again another 10km southward. A travel of another 5 km westward and then 20 km northward ended my journey. Identify the sketch depicting my

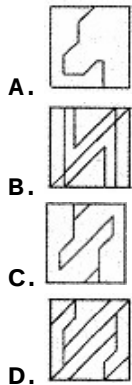
A.

B.

C.

D.

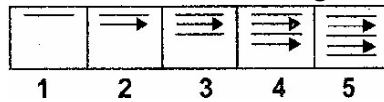
(X)



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Right Answer:: B

25. Find the figure from the answer set which will continue the series given in the problem set. -



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

Right Answer:: D

26. If ' $<$ ' denotes '+', ' $>$ ' denotes '-', ' $\vee$ ' denotes ' $\times$ ', ' $\wedge$ ' denotes ' $\div$ ', ' $-$ ' denotes '=', ' $\times$ ' denotes ' $>$ ' and ' $\div$ ' denotes ' $<$ ', choose the correct statement from the following.

- A. $18 \wedge 3 > 4 \div 6 \vee 2 \wedge 3$
- B. $12 \wedge 3 \div 6 \times 2 \wedge 3 - 2$
- C. $13 \vee 2 \div 3 - 4 \vee 6 \wedge 2$
- D. $10 \wedge 3 \vee 6 \div 4 - 2 < 3$

Right Answer:: A

27. Ram is the brother of Shyam and Mahesh is the father of Rem. Jagat is the brother of Priya and Priya is daughter of Shyam. Who is the uncle of Jaga

- A. Shyam
- B. Mahesh
- C. Ram
- D. All of these

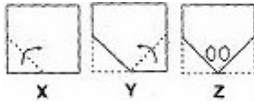
Right Answer:: C

28. Find the odd figure out

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

Right Answer:: D

29. Three figures X, V and Z show a sequence of folding of a piece of paper. Fig(Z) shows the manner in which the folded paper has been cut. These three figures are followed by four answer figures. You have to choose a figure which would most closely resemble the unfolded form of fig (Z)

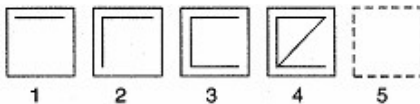


- A.
- B.
- C.
- D.

Right Answer:: A

30. The series of diagrams called PROBLEM FIGURES consists of figures in a particular sequence. Below the problem figures you will find a series of diagrams called ANSWER FIGURES. You have to pick out the figure from the Answer Figures which should come at the end of problem figures

PROBLEM FIGURES



- A. Answer figure
- B. Answer figure
- C. Answer figure
- D. Answer figure

Right Answer:: D

31. A Bit is

- A. (Binary Digit)- A single digit number in base-2. The smallest unit of computerized data
- B. A high-speed line or series of connections that forms a major pathway within a network
- C. Mrs. Watson's desert
- D. Code

Right Answer:: A

32. Hypertext documents help the user to locate the desired type of information by using a series of -

- A. Text
- B. Links

- C. Trees
- D. Arrows

Right Answer:: B

33. After coding a document into a digital signal, it can be sent by telephone, telex or satellite to the receiver where the signal is decoded and an exact copy of the original document is made. What is it called?

- A. Telex
- B. Word processor
- C. Facsimile
- D. Electronic mail

Right Answer:: D

34. The Central Processing Unit in a computer comprises

- A. Input device, output device and memory
- B. Software, hardware and power supply unit
- C. Memory, visual display unit and printer
- D. Store, arithmetic and logical unit and control unit

Right Answer:: D

35. What would you use, if you want to load a game CD on the computer?

- A. Word Processor
- B. Database
- C. Spreadsheet
- D. Operating System

Right Answer:: D

36. In MS-Excel, a formula always begins with a

- A. + Sign
- B. % Sign
- C. \$ Sign
- D. = Sign

Right Answer:: D

37. Where is the headquarters of Microsoft located?

- A. Santa Clara, California
- B. Tucson, Arizona
- C. Richmond, Virginia
- D. Redmond, Washington

Right Answer:: D

38. Tim Berners-Lee and CERN together formed the.....

- A. HTML
- B. XML
- C. WWW
- D. Both (A) and (C)

Right Answer:: D

39. BITNET stands for.....

- A. Because Its Time NETwork
- B. Between India-Tibet NETwork
- C. Bit in a Network
- D. Bit In The Net

Right Answer:: A

40. "DOS" computer abbreviation stands for

- A. Data Out System
- B. Disk Out System
- C. Disk Operating System
- D. Data Operating System

Right Answer:: C

41. 'OS' computer abbreviation usually means?

- A. Order of Significance
- B. Open Software
- C. Operating System
- D. Optical Sensor

Right Answer:: C

42. Messages from one computer terminal can be sent to another by using data networks. The message to be sent is converted to an electronic digital signal, transmitted via a cable, telephone or satellite and then converted back again at the receiving end. What is the system of sending messages called?

- A. Paperless office
- B. Global network
- C. Electronic mail
- D. Electronic newspaper

Right Answer:: B

43. "Baud" is a term used for measuring bits per second of a.....

- A. Network
- B. Modem
- C. Computer
- D. Bus

Right Answer:: B

44. To select text by shading as you drag the mouse arrow over the text is known as

- A. Clip art
- B. To highlight
- C. To fetch
- D. To decode

Right Answer:: B

45. Which of the following hardware devices is not part of the main computer system and are often added later to the system?

- A. Periphera
- B. Clip art
- C. Highlight
- D. Execute

Right Answer:: A

46. Professionals looking visual aids are prepared with the help of a software called

- A. DBMS
- B. Multimedia software
- C. Graphic software
- D. Presentation Graphic software

Right Answer:: D

47. An example of a system software is

- A. Windows Vista
- B. Microsoft Word
- C. LOGO
- D. MS-Paint

Right Answer:: A

48. A private network inside a company or organisation is.....

- A. Internet
- B. Net
- C. Extranet
- D. Intranet

Right Answer:: D

49. Large amount of bank cheques are processed by using

- A. OCR
- B. MICR
- C. OMR
- D. All of these

Right Answer:: B

50. A single application that combines features of several kinds of applications is known as

- A.** Integrated software
- B.** A combo pack
- C.** A suit of software
- D.** A group of softwares

Right Answer:: A