

Sample Questions *for*

ASAT

(ALLEN Scholarship Admission Test)

CLASSROOM CONTACT PROGRAMME

PRE-NURTURE & CAREER FOUNDATION : CLASS-VI
(FOR V to VI MOVING STUDENTS)

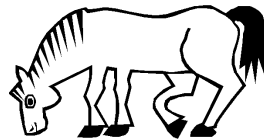


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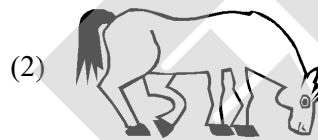
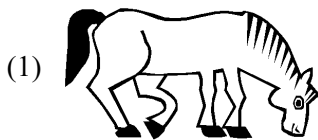
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MENTAL ABILITY

- Arrange the given words in alphabetical order and choose the one that comes second
 (1) Wasp (2) Waste (3) War (4) Wrinkle
- From his house, Lokesh went 15 kms to the North. Then he turned West and covered 10 kms. Then, he turned South and covered 5 kms. Finally, turning to East, he covered 10 kms. In which direction is he from his house ?
 (1) East (2) West (3) North (4) South
- Choose one out of these four figures which shows the correct mirror image of the figure (X).

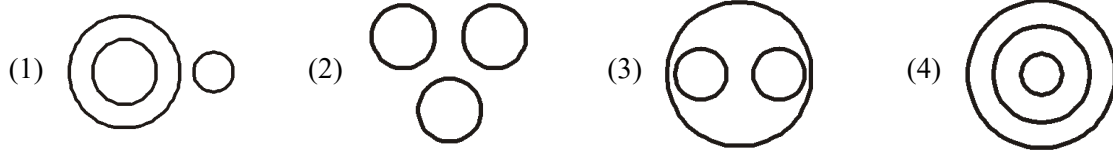


(X)



- Choose the word which is least like the other words.
 (1) Eyes (2) Nose (3) Hands (4) Legs
- Find the missing number of the series given below : 2, 7, 17, 37, 77, ?
 (1) 131 (2) 157 (3) 163 (4) 179
- If the following four words are arranged in alphabetical order, which word will come third ?
 (1) Section (2) Secular (3) Septic (4) Secure
- Insert the missing number C4X, F9U, I16R, ?
 (1) K25P (2) L25P (3) L25O (4) L27P
- Suman ranks sixth from top and fourth from the bottom in a class. How many students are there in the class?
 (1) 9 (2) 6 (3) 10 (4) None of these
- Starting from a point, Raju walked 12 m North, he turned right and walked 10 m, he again turned right and walked 12 m. Then he turned left and walked 5m. How far is he from the starting point?
 (1) 27 m (2) 5 m (3) 10 m (4) 15 m

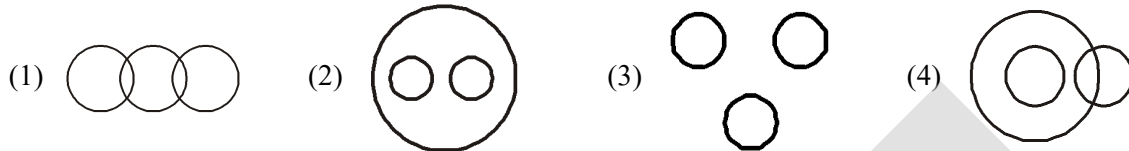
10. Which of the following diagram indicates the best relation between Page, Chapter and Book ?



11. If POND is coded as RQPF, how is HEAR written in same code language ?

(1) GHIJ (2) GHIZ (3) JGCT (4) JCLZ

12. Choose the venn-diagram which best illustrates the relationship between Gold, Ornament, Silver



13. Insert the missing number in the given series.

1, 3, 5, 7, 9, ?

(1) 10 (2) 11 (3) 12 (4) 13

14. The following question is based on the given alphabet series.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Which letter is fourth to the left of I ?

(1) S (2) E (3) U (4) V

15. Find the water image of the given combination

N4tQj3

(1)  (2)  (3)  (4) 

16. P, Q, R and S are playing a game of carrom. P, R and S, Q are partners. S is to the right of R and is facing West. Then, Q is facing

(1) North (2) South (3) East (4) West

17. Find the missing term in the given series :

22, 24, 28, ?, 52, 84

(1) 36 (2) 38 (3) 42 (4) 46

18. Choose the odd one

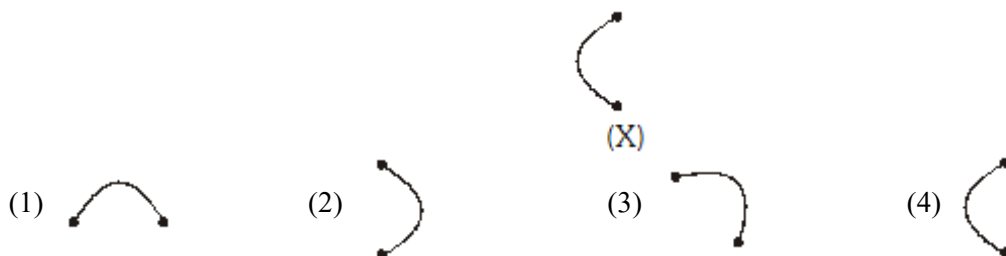
(1) Bake (2) Peel (3) Fry (4) Roast

19. Choose the correct water image of word :

ALTERNATE

(1) ALTEBNALE (2) ALTREBNALE (3) ALTREBNALE (4) ALTREBNALE

20. Choose the correct mirror image of figure (X) from given alternatives :



PHYSICS

21. Earth's nearest neighbour is :
 (1) Sun (2) Moon (3) Venus (4) Pluto
22. Convert 10 m into cm
 (1) 1 cm (2) 10 cm (3) 0.01 cm (4) 1000 cm
23. The pollution caused by gases like carbon monoxide, sulphur dioxide etc is called
 (1) Water pollution (2) Air pollution
 (3) Soil pollution (4) Noise pollution
24. One night, Ashok and Apurva watched a constellation over a period of several hours. They found that the constellation seemed to move across the sky. Which of these can explain this?
 (1) Some constellations are moving constellations
 (2) All constellations move randomly through the sky.
 (3) As the Earth rotates, constellations seem to move
 (4) None of these
25. Which of these is not unit of mass ?
 (1) Gram (2) Milligram (3) Kilogram (4) Kilometer
26. The sudden shaking of earth's crust is called
 (1) Famine (2) Earthquake
 (3) Rain (4) None of these
27. The outer hard surface of earth is called
 (1) Core (2) Mantle (3) Crust (4) None of these
28. Arrange the following in increasing order : 1m, 1km, 1cm
 (1) $1\text{ km} < 1\text{ cm} < 1\text{ m}$ (2) $1\text{ km} < 1\text{ m} < 1\text{ cm}$
 (3) $1\text{ m} < 1\text{ km} < 1\text{ cm}$ (4) $1\text{ cm} < 1\text{ m} < 1\text{ km}$
29. Extreme shortage of water due to lack of rain is :
 (1) Cyclones (2) Floods (3) Drought (4) Earth quake
30. The change in season is due to -
 (1) Rotation of earth (2) Revolution of earth
 (3) Gravity of earth (4) None of these
31. A girl uses a worn out ruler to measure the length of a table in her room. She placed the ruler such that the mark 3.0 cm coincides with one end of the table and the other end coincides with the mark 33.5cm. The length of the table is-
 (1) 33.5cm (2) 36.5cm (3) 30.5cm (4) 33.8cm

32. Natural resources made from the preserved remains of living things that died millions of years ago are –

- | | |
|-------------------------|-------------------|
| (1) Renewable resources | (2) Fossil fuels |
| (3) Solar energy | (4) None of these |

33. The fixed path on which all planets revolve around the sun is called-

- | | | | |
|---------------|-----------|-----------|----------|
| (1) Satellite | (2) Orbit | (3) Crust | (4) Core |
|---------------|-----------|-----------|----------|

34. Distance is not measured in :-

- | | | | |
|-----------|---------------|----------------|----------------|
| (1) Meter | (2) Kilometer | (3) Centimeter | (4) Meter/Sec. |
|-----------|---------------|----------------|----------------|

35. _____ occurs mostly when rivers overflow after very heavy rain fall.

- | | |
|-------------|-------------------|
| (1) Flood | (2) Earth Quake |
| (3) Tsunami | (4) None of these |

36. The percentage of oxygen in air is approximately :

- | | | | |
|---------|---------|--------|---------|
| (1) 78% | (2) 21% | (3) 1% | (4) 46% |
|---------|---------|--------|---------|

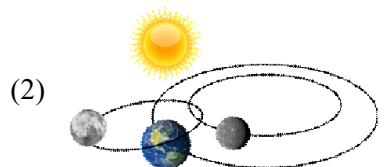
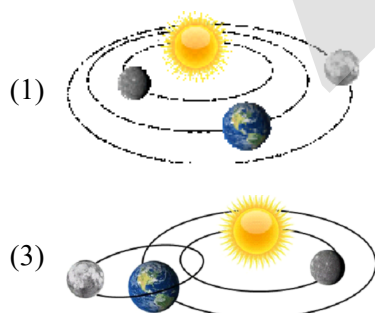
37. Which is the unit of measurement used in ancient times?

- | |
|-------------------|
| (1) Handspan |
| (2) Meter |
| (3) Second |
| (4) None of these |

38. The origin point of an earthquake is called focus. The point on earth surface straight above the focus is called the _____.

- | | |
|-------------------|-------------------|
| (1) Richter scale | (2) Orthocenter |
| (3) Epicenter | (4) None of these |

39. Which of the following figures shows the correct positions of the Sun, earth, mercury and the moon in the solar system?



(4) Both (1) and (2) are correct

40. 0.5 kg is equal to

- | | |
|------------|-------------|
| (1) 500 gm | (2) 5000 gm |
| (3) 10 mg | (4) 50 mg |

CHEMISTRY

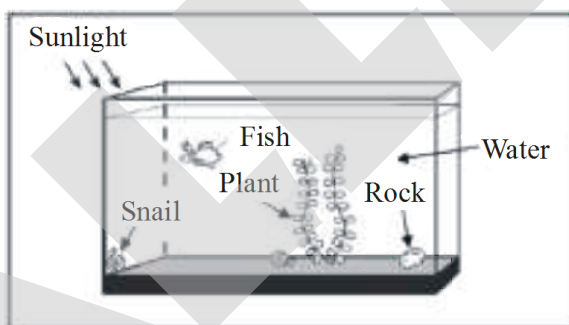
41. Biological resources are :
- (1) Plants and animals (2) Land, air and water
(3) Sunlight, air and water (4) Minerals and energy
42. Clothes dry faster during summer because of:
- (1) Evaporation (2) Sublimation (3) Boiling (4) Melting
43. Molten rock inside the earth is called :
- (1) Magma (2) Subsoil
(3) Topsoil (4) None of these
44. Renewable resources are those which:
- (1) can be replaced (2) cannot be replaced
(3) are found everywhere (4) None of these
45. The process of solid changing directly into vapour without becoming liquid is called :
- (1) Sedimentation (2) Sublimation
(3) Evaporation (4) Condensation
46. Sandstone, shale and limestone are examples of _____ rock.
- (1) Igneous (2) Metamorphic
(3) Sedimentary (4) None of these
47. Which is hardest naturally occurring substance found on earth ?
- (1) Diamond (2) Graphite (3) Coal (4) Petroleum
48. The process of changing solid state into liquid state is called-
- (1) Boiling (2) Condensation (3) Melting (4) Freezing
49. Consider the following statements about rocks:
- (a) Shale becomes slate through metamorphosis.
(b) Shale is converted to slate when it is subjected to tremendous pressure and high temperature.
Which of the statements given above is/are correct?
- (1) Only (a) (2) Only (b)
(3) Both (a) and (b) (4) Neither (a) nor (b)
50. Atmospheric water vapour comes to earth surface in the form of
- (1) Rain (2) Snow (3) Hail (4) All of these
51. Melting point of ice is _____
- (1) 10°C (2) 100°C
(3) 0°C (4) depend on amount of water

52. What do all rocks have in common?
- (1) Same color (2) All have minerals
(3) Same shape (4) Same size
53. Green House Effect is mostly due to
- (1) Hydrogen (2) Carbon monoxide
(3) Carbon dioxide (4) Nitrogen
54. Particles of matter that move faster have more _____.
(1) Energy
(2) Mass
(3) Colour
(4) Weight
55. Which of the following is not an igneous rock?
- (1) Basalt (2) Granite (3) Sandstone (4) Pumice
56. The elements that occur most frequently in the earth's crust are
- (1) Carbon and oxygen
(2) Hydrogen and Oxygen
(3) Silicon and Oxygen
(4) Magnesium and Iron
57. The state of matter that has a definite size and shape is
- (1) Solid (2) Liquid (3) Gas (4) Air
58. Which one among the following is a primary rock?
- (1) Sedimentary
(2) Igneous
(3) Metamorphic
(4) None of these
59. Which of the following is a renewable resources?
- (1) Soil
(2) Water
(3) Flora and fauna
(4) All of the above
60. Particles are tightly packed in -
- (1) Liquid (2) Solid (3) Gas (4) Plasma

BIOLOGY

61. Cutting down of the forests would result in :
(1) Barren land all over (2) Polluted air and water
(3) Increased temperature of Earth (4) All of these
62. Identify the insectivorous plant from the following :
(1) A big neem tree (2) Cactus
(3) Touch me not plant (4) Nepenthes
63. Few drops of lemon in your mouth would taste :
(1) Sweet (2) Sour (3) Bitter (4) No taste
64. Structure which protect the baby plant inside the seed is :
(1) Large leaves (2) Seed coat (3) Fine roots (4) Soft stem
65. Which of the following should be soaked before cooking?
(1) Brinjals (2) Whole pulses
(3) Gram (4) Both (2) and (3)
66. Seeds of coconut are dispersed by :
(1) Air (2) Birds (3) Insects (4) Water
67. Cone shaped plants growing on mountain
(1) Have bright red coloured flower (2) Do not have chlorophyll
(3) Have needle shaped leaves and cones (4) Both (1) and (3)
68. A new plant can be grown from :
(1) top of carrot (2) roots of Dahlia
(3) piece of potato (4) All of these
69. You can not make sprouts out of :
(1) Whole pulse (2) Whole grains
(3) Split pulse (4) All of these
70. When you place an onion in soil it will develop :
(1) Tap root
(2) Leaves
(3) Seeds without formation of flowers
(4) Both (1) and (2)
71. If you put some Jaggery on roof of the mouth :
(1) you will taste it sweet (2) you will taste it sweet and sour
(3) you will not feel any taste (4) you will taste it sweet, sour and bitter

72. Which of these are needed to develop a new plant from germination of seeds ?
 (1) Water (2) Air (3) Warmth (4) All of these
73. When you chew bread for a while it would taste ?
 (1) Sweet (2) Bitter (3) Sour (4) No taste
74. Crop plants grown from June to October are known as :
 (1) Rabi crops (2) Kharif crops
 (3) Legume crops (4) Cereal crops
75. A seed contains:
 (1) Store food (2) Embryo (3) Seed coat (4) All of these
76. You can grow rose plant with help of :
 (1) It's stem cutting (2) It's root cutting
 (3) It's leaves (4) It's petals
77. Your body loses water, when
 (1) You sweat (2) You breathe out air
 (3) Urine is passed (4) All of these
78. The picture below shows Nalendi's fish tank.

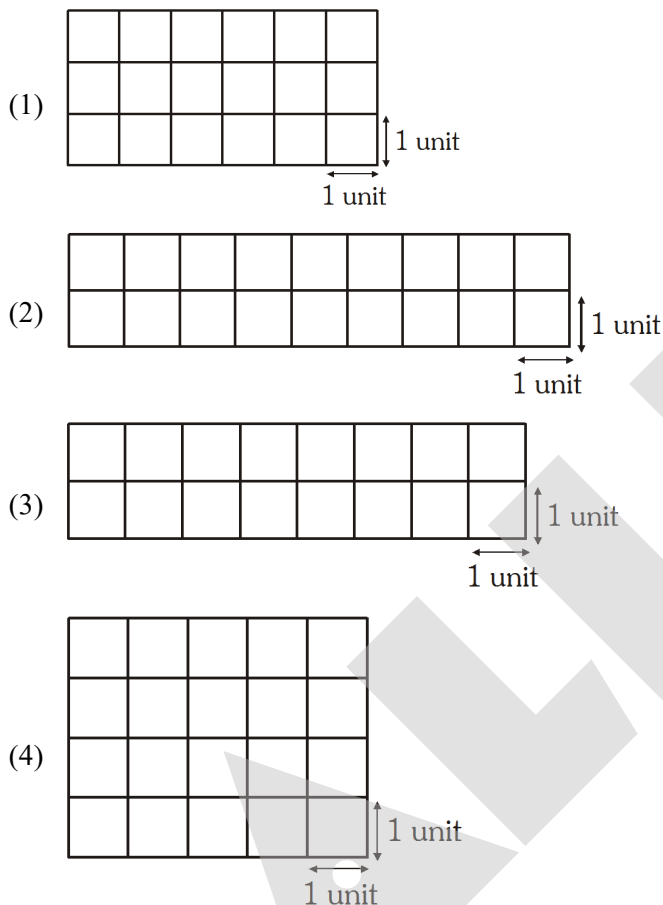


Which item in the tank produces oxygen?

- (1) Plant (2) Snail
 (3) Water (4) Rock
79. Saliva is your mouth :
 (1) keep it moist
 (2) help to digest food
 (3) make swallowing of food easy
 (4) All of these
80. Which of the following is grown in winter season ?
 (1) Wheat (2) Rice (3) Maize (4) Papaya

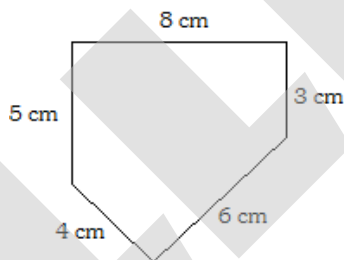
MATHEMATICS

81. The sum of all line segments of a simple closed figure is called _____ :
- (1) Volume (2) Perimeter (3) Area (4) None of these
82. Which list shows the first five multiples of 2?
- (1) 2, 3, 4, 5, 6 (2) 2, 4, 6, 8, 10
 (3) 2, 20, 200, 2000, 20000 (4) 2, 22, 222, 2222, 22222
83. Which figure has maximum area ?



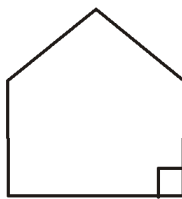
84. A rectangle has length of 30 m and area 150 m^2 . What is the width of the rectangle?
- (1) 5 m (2) 45 m (3) 50 m (4) 120 m
85. LCM of 15 and 40 is
- (1) 110 (2) 600 (3) 80 (4) 120
86. Smallest 5-digit number = _____ :
- (1) 00000 (2) 11111 (3) 00001 (4) 10000
87. Which of the following is greatest ?
- (1) 89476 (2) 79486 (3) 97486 (4) 98476
88. Find the area of a square of side 1.2 metres?
- (1) 14.4 Sq. m (2) 1.44 Sq. m (3) 0.144 Sq. m (4) None of these

89. A room is 2.5 m long and 5.5 m wide. Its area is
 (1) 14.75 Sq. m (2) 12.75 Sq. m (3) 137.5 Sq. m (4) 13.75 Sq. m
90. A pack of oranges weight 7.4 kg. How much that in grams?
 (1) 7.4 g (2) 740 g (3) 74000 g (4) 7400 g
91. Forty crores four thousand in numeral form is equal to :
 (1) 404000 (2) 400004000 (3) 4004000 (4) 40004000
92. Match the following
 (A) A polygon with 3 sides a. Pentagon
 (B) A polygon with 4 sides b. Triangle
 (C) A polygon with 5 sides c. Hexagon
 (D) A polygon with 6 sides d. Quadrilateral
- (1) A-b, B-d, C-a, D-c (2) A-b, B-c, C-a, D-d
 (3) A-b, B-a, C-d, D-c (4) A-c, B-d, C-a, D-b
93. When the 2 digit numbers are multiplied the product will consist _____ number of digits :
 (1) 3 (2) 4 (3) 3 or 4 (4) More than 4
94. Find the perimeter of the given figure.



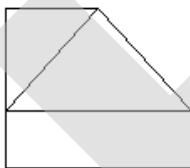
- (1) 26 cm (2) 27 cm (3) 30 cm (4) 32 cm
95. Which of the following expression is equal to 83×5 ?
 (1) $8 \times (3 + 5)$ (2) $5 \times (8 + 3)$ (3) $5 \times (80 + 3)$ (4) $16 \times (60 + 8)$
96. 10 crore = _____ million :
 (1) 10 (2) 100 (3) 1000 (4) 10000
97. Meera purchased 8 kg 275 g of potatoes, 2 kg 360 g of onions and 1 kg 125g of brinjals. How much weight of vegetables did she purchase?
 (1) 10 kg 760 g (2) 11 kg 660 g (3) 12 kg 750 g (4) 11 kg 760 g
98. When a number is divided by 13 we get quotient as 26 and remainder 11. Find the number :
 (1) 349 (2) 439 (3) 943 (4) 934
99. Which of the following does not express a time interval?
 (1) a day (2) a second
 (3) a school period (4) Time of the first bell in the school

100. Look at the shape and write the name of the angle marked below.

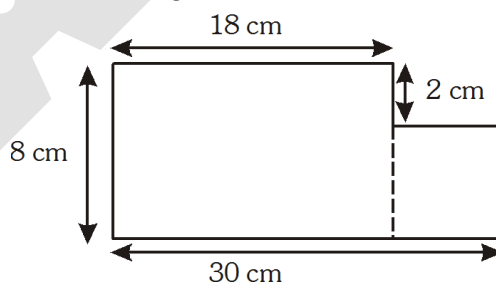


- (1) acute (2) right (3) straight (4) reflex
101. Which of the angle would have the highest degree of measurement?
- (1) Obtuse angle (2) Acute angle
(3) Right angle (4) Straight angle
102. A _____ is bounded by three line segments.
- (1) Square (2) Triangle (3) Rectangle (4) Circle
103. 19234 rounded to nearest tens, we get in _____ :
- (1) 19000 (2) 19240 (3) 19230 (4) 19200
104. Which is equivalent to 11 meters ?
- (1) 0.11 centimeters (2) 1.1 centimeters
(3) 110 centimeters (4) 1100 centimeters
105. How many right angles can make 360° ?
- (1) 2 (2) 1 (3) 3 (4) 4
106. Calculate area of a rectangular hall 12 m long and 10 m wide :
- (1) 35 m^2 (2) 120 m^2 (3) 10 m^2 (4) 44 m^2
107. 9118 is divisible by :
- (1) 2 and 47 (2) 2 and 11 (3) 2, 3 and 11 (4) 2, 3 and 6
108. Out of following, one angle which is acute :
- (1) $\frac{23}{86}$ of a complete rotation (2) $\frac{4}{9}$ of a right angle
(3) $\frac{47}{45}$ of a right angle (4) $\frac{10}{20}$ of a complete rotation
109. The length and breadth of a rectangle are $(3a + 2)$ and $(2a - 1)$. which of the following represents its perimeter?
- (1) $2(5a - 1)$ (2) $5a + 1$ (3) $5a - 1$ (4) $2(5a + 1)$
110. A shopkeeper mixed 3.6 kg of hazelnuts with 0.75 kg of raisins. He packed the mixture equally into 5 boxes. What is the mass of each box?
- (1) 14.25 kg (2) 4.35 kg (3) 0.87 kg (4) 0.72 kg

111. Angle made by hands of a clock at 6 O'clock is a
- (1) Right angle (2) Acute angle
(3) Straight angle (4) Obtuse angle
112. If a and b are odd numbers, then which of the following is even ?
- (1) $a + b$ (2) $a + b + 1$ (3) ab (4) $ab + 2$
113. The length of a rectangle is four times its breadth. If the perimeter is 30 cm, find area.
- (1) 24 cm^2 (2) 20 cm^2 (3) 36 cm^2 (4) 30 cm^2
114. The smallest number that is divisible by each one of 9, 12, 15 is :
- (1) 60 (2) 90 (3) 120 (4) 180
115. Sanjay weights 60 kilograms. Sonu is 10 kilogram lighter than Sanjay. How much does they weigh together?
- (1) 110 kg (2) 100 kg (3) 120 kg (4) 130 kg
116. Number of 6-digit numbers starting with 1 and ending with 6 that we can form by repeating a digit for five times :
- (1) 6 (2) 1 (3) 2 (4) More than 2
117. How many triangles are in the figure?



- (1) 1 (2) 2 (3) 3 (4) 4
118. How many lines can be drawn through two given points?
- (1) 0 (2) 1 (3) 2 (4) Infinite
119. The figure below is made up of two rectangles. Find its total area.



- (1) 144 cm^2 (2) 216 cm^2 (3) 240 cm^2 (4) 300 cm^2
120. The chair is 4.4 kilograms. How many grams does it weigh?
- (1) 44 grams (2) 440 grams (3) 4400 grams (4) 44000 grams

ANSWER KEY

| Q. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A. | 1 | 3 | 4 | 2 | 2 | 4 | 3 | 1 | 4 | 4 | 3 | 1 | 2 | 2 | 4 | 3 | 1 | 2 | 3 | 2 |
| Q. | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| A. | 2 | 4 | 2 | 3 | 4 | 2 | 3 | 4 | 3 | 2 | 3 | 2 | 2 | 4 | 1 | 2 | 1 | 3 | 3 | 1 |
| Q. | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 |
| A. | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 3 | 3 | 4 | 3 | 2 | 3 | 1 | 3 | 3 | 1 | 2 | 4 | 2 |
| Q. | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 |
| A. | 4 | 4 | 2 | 2 | 4 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 1 | 2 | 4 | 1 | 4 | 1 | 4 | 1 |
| Q. | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
| A. | 2 | 2 | 4 | 1 | 4 | 4 | 4 | 2 | 4 | 4 | 2 | 1 | 3 | 1 | 3 | 2 | 4 | 1 | 4 | 2 |
| Q. | 101 | 102 | 103 | 104 | 105 | 106 | 107 | 108 | 109 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 120 |
| A. | 4 | 2 | 3 | 4 | 4 | 2 | 1 | 2 | 4 | 3 | 3 | 1 | 3 | 4 | 1 | 3 | 2 | 2 | 2 | 3 |