

Your Talent, Your Future – Shine with BOH 2025!

#PathToExcellence



BRAIN OF HIMACHAL

आपकी प्रतिभा, हमारा मंच - ब्रेन ऑफ़ हिमाचल

ASPIRE TALENT HUNT EXAM-2025

For 5th, 6th, 7th, 8th, 9th 10th, (11th & 12th Science)

SAPMLE TEST PAPER

CLASS 5th

Head Office: SHIMLA

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1. Which part of the plant helps it to stand upright?
 1. Leaf
 2. Stem
 3. Root
 4. Flower
2. Which gas is most important for human breathing?
 1. Nitrogen
 2. Carbon Dioxide
 3. Oxygen
 4. Hydrogen
3. Which of these animals lays eggs?
 1. Cow
 2. Dog
 3. Hen
 4. Cat
4. Water boils at which temperature?
 1. 50°C
 2. 90°C
 3. 100°C
 4. 120°C
5. Which sense organ helps us to taste food?
 1. Nose
 2. Eyes
 3. Ears
 4. Tongue
6. Which of the following is a source of clean energy?
 1. Coal
 2. Petrol
 3. Solar Energy
 4. Diesel
7. The process of making new plants from seeds is called:
 1. Germination
 2. Photosynthesis
 3. Fertilization
 4. Evaporation
8. Which animal is called the 'ship of the desert'?
 1. Donkey
 2. Camel
 3. Horse
 4. Elephant
9. Which of the following helps in rain formation?
 1. Pollution
 2. Evaporation
 3. Smoke
 4. Wind

10. Which organ pumps blood in our body?
 1. Brain
 2. Kidney
 3. Lungs
 4. Heart
11. What is the main source of energy for the Earth?
 1. Moon
 2. Electricity
 3. Sun
 4. Stars
12. Which of these is a herbivore animal?
 1. Tiger
 2. Lion
 3. Goat
 4. Wolf
13. The roots of a plant absorb _ from the soil.
 1. Air
 2. Water and minerals
 3. Sunlight
 4. Fruits
14. Which one is a natural resource?
 1. Plastic
 2. Gold
 3. Cement
 4. Brick
15. Cutting down trees is called:
 1. Afforestation
 2. Plantation
 3. Deforestation
 4. Reforestation
16. In which season do we wear woollen clothes?
 1. Summer
 2. Winter
 3. Rainy
 4. Spring
17. Which of the following birds cannot fly?
 1. Sparrow
 2. Pigeon
 3. Ostrich
 4. Crow
18. Which part of the plant makes food?
 1. Root
 2. Stem
 3. Flower
 4. Leaf
19. Which of these is a water animal?
 1. Cow
 2. Fish

3. Horse 4. Cat
20. Which method helps to save water?
1. Leaving taps open
 2. Using showers for a long time
 3. Rainwater harvesting
 4. Wasting water while washing cars
21. Which is a prime number?
1. 12
 2. 21
 3. 19
 4. 27
22. 0.25 as a fraction is:
1. $\frac{1}{4}$
 2. $\frac{2}{5}$
 3. $\frac{1}{3}$
 4. $\frac{3}{4}$
23. The nearest ten to 37 is:
1. 36
 2. 30
 3. 38
 4. 40
24. 3257 rounded to the nearest hundred is:
1. 3000
 2. 3250
 3. 3200
 4. 3300
25. Convert $\frac{3}{5}$ to a decimal.
1. 0.5
 2. 0.6
 3. 0.3
 4. 1.5
26. 40% of 750 is:
1. 300
 2. 150
 3. 450
 4. 375
27. Decimal form of 210% is:
1. 2.1
 2. 21
 3. 0.21
 4. 2100
28. If cost price is ₹400 and selling price is ₹500, what is the profit percent?
1. 10%
 2. 20%
 3. 25%
 4. 15%
29. What is the area of a square with side 10 cm?
1. 20 cm^2
 2. 60 cm^2
 3. 80 cm^2
 4. 100 cm^2
30. What is the speed if 120 km is covered in 2 hours?
1. 30 km/hr
 2. 60 km/hr
 3. 90 km/hr
 4. 120 km/hr
31. The volume of a cube of side 5 cm is:
1. 25 cm^3
 2. 15 cm^3
 3. 100 cm^3
 4. 125 cm^3
32. 0.09 as a fraction is:
1. $\frac{9}{100}$
 2. $\frac{9}{10}$
 3. $\frac{1}{9}$
 4. $\frac{1}{11}$
33. Simple interest on ₹2000 at 5% per annum for 2 years is:
1. ₹100
 2. ₹200
 3. ₹150
 4. ₹250
34. If distance is 240 km and time is 6 hours, speed is:
1. 40 km/hr
 2. 50 km/hr
 3. 60 km/hr
 4. 80 km/hr
35. Formula for profit percentage is:
1. $(\text{Profit}/\text{CP}) \times 100$
 2. $(\text{CP}/\text{Profit}) \times 100$
 3. $(\text{Profit}/\text{SP}) \times 100$
 4. $(\text{SP}/\text{CP}) \times 100$
36. Area of rectangle with length 14 m and width 6 m:
1. 42 m^2
 2. 60 m^2
 3. 84 m^2
 4. 76 m^2
37. Increase ₹1200 by 15%. What will be the new value?
1. ₹1320
 2. ₹1380
 3. ₹1400
 4. ₹1250
38. 2 hours at 90 km/hr covers:
1. 80 km
 2. 150 km
 3. 180 km
 4. 200 km
39. Find LCM of 18, 24, 30.
1. 180
 2. 90
 3. 120
 4. 60

40. Perimeter of a square of side 7 cm:

- | | |
|----------|----------|
| 1. 14 cm | 2. 28 cm |
| 3. 21 cm | 4. 49 cm |

41. 2700 rounded to nearest hundred:

- | | |
|---------|---------|
| 1. 2800 | 2. 2700 |
| 3. 2600 | 4. 2500 |

42. Find simple interest on ₹5000 at 4% p.a. for 3 years.

- | | |
|---------|---------|
| 1. ₹600 | 2. ₹400 |
| 3. ₹500 | 4. ₹800 |

43. Cost Price = ₹780, Selling Price = ₹910, then profit percent is:

- | | |
|--------|----------|
| 1. 15% | 2. 16.6% |
| 3. 20% | 4. 10% |

44. 48 and 64 LCM is:

- | | |
|--------|--------|
| 1. 192 | 2. 128 |
| 3. 48 | 4. 64 |

45. Area of square with side 12 cm:

- | | |
|------------------------|------------------------|
| 1. 144 cm ² | 2. 24 cm ² |
| 3. 48 cm ² | 4. 120 cm ² |

46. If a train travels 300 km in 5 hours, its speed is:

1. 50 km/hr
2. 60 km/hr
3. 70 km/hr
4. 80 km/hr

47. Profit if CP = ₹500 and SP = ₹450:

- | | |
|--------|--------|
| 1. ₹20 | 2. ₹10 |
| 3. ₹0 | 4. ₹50 |

48. What is the perimeter of a triangle with sides 6 cm, 8 cm, 10 cm?

- | | |
|----------|----------|
| 1. 24 cm | 2. 20 cm |
| 3. 18 cm | 4. 30 cm |

49. 0.08 as percent:

- | | |
|--------|----------|
| 1. 8% | 2. 0.8% |
| 3. 80% | 4. 0.08% |

50. Perimeter of rectangle, length 15 m, width 4 m:

- | | |
|---------|---------|
| 1. 30 m | 2. 38 m |
| 3. 36 m | 4. 40 m |

51. Area of parallelogram (base = 12 cm, height = 7 cm):

- | | |
|-----------------------|-----------------------|
| 1. 19 cm ² | 2. 84 cm ² |
| 3. 49 cm ² | 4. 70 cm ² |

52. 4.375 as a fraction is:

- | | |
|---------|--------|
| 1. 35/8 | 2. 7/2 |
| 3. 22/5 | 4. 9/4 |

53. Convert 2/5 into decimal:

- | | |
|---------|--------|
| 1. 0.4 | 2. 0.5 |
| 3. 0.25 | 4. 0.2 |

54. 2 hours at 60 km/hr travels:

- | | |
|-----------|----------|
| 1. 60 km | 2. 90 km |
| 3. 120 km | 4. 30 km |

55. The sum of first 10 natural numbers is:

- | | |
|-------|-------|
| 1. 45 | 2. 55 |
| 3. 50 | 4. 60 |

56. If CP = ₹600, SP = ₹540, find loss percent:

- | | |
|--------|--------|
| 1. 10% | 2. 5% |
| 3. 8% | 4. 12% |

57. The cube root of 27 is:

- | | |
|------|------|
| 1. 9 | 2. 3 |
| 3. 6 | 4. 7 |

58. 9/10 as decimal:

- | | |
|---------|---------|
| 1. 0.91 | 2. 0.1 |
| 3. 0.9 | 4. 0.99 |

59. Volume of cube with side 4 cm:

- | | |
|-----------------------|-----------------------|
| 1. 12 cm ³ | 2. 8 cm ³ |
| 3. 64 cm ³ | 4. 16 cm ³ |

60. What is the full form of HCF?

1. Highest Common Factor
2. Highest Common Form
3. Highest Count Factor

4. High Common Factor

61. In the following questions, choose the correct option.
As COUNSEL is to BITIRAK, so also GUIDANCE is to

1. HOHNYJBA
2. FPHZZKAB
3. FOHYZJBB
4. OHYZKBB

62. As CIRCLE is related to RICELC, so also SQUARE is to

1. UQSERA
2. UQSAER
3. QUSERA
4. QSUERA

63. Mirror is related to Reflection in the same way as 'water' is related to — —

1. Conduction
2. Dispersion
3. Immersion
4. None of these

64. Umbrella is related to Rain in the same way as 'Goggles' is related to — —

1. Light
2. Sun rays
3. Star
4. Sight

65. Complete the given series: MHZ, NIW, OKT, PNQ, — —

1. RRN
2. QRN
3. QRM
4. QAH

66. Find the missing terms: 9, 5, 14, 19, 33, — —

1. 50
2. 48
3. 62
4. 52

67. Find the missing terms: KM5, IP8, GS11, EV14, — —

1. BY17
2. CY18
3. CZ17
4. CY17

68. Arrange the given words in a meaningful sequence and choose the most appropriate sequence from the options given below.

- 1) Seed
- 2) Wood
- 3) Tree
- 4) Plant
- 5) Furniture

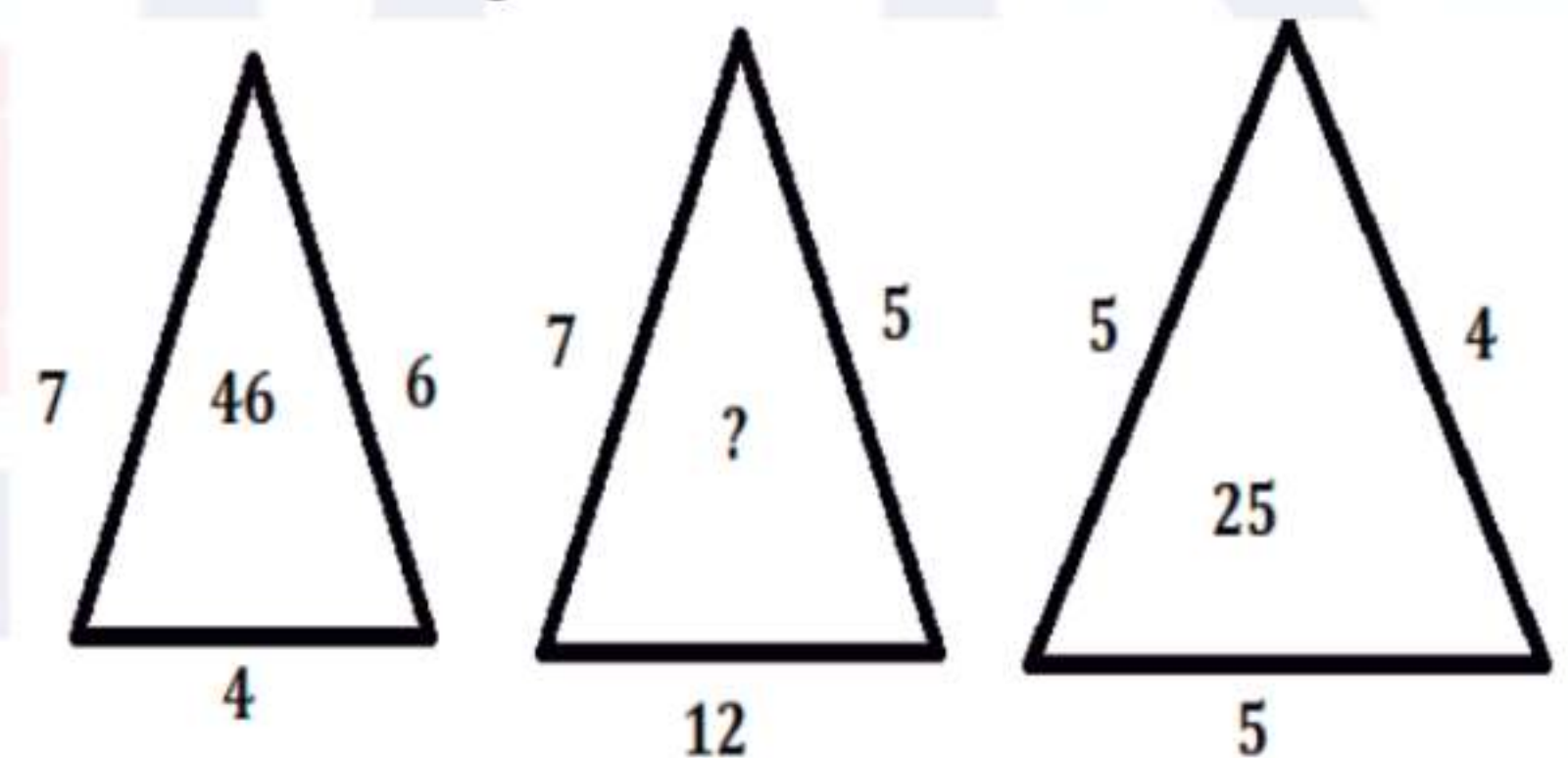
1. (1), (3), (4), (2), (5)
2. (1), (4), (3), (2), (5)
3. (1), (3), (4), (5), (2)
4. (1), (4), (3), (5), (2)

69. Insert the missing number.

1	1	1
2	4	16
3	9	?

1. 81
2. 18
3. 27
4. 17

70. Find the missing character.



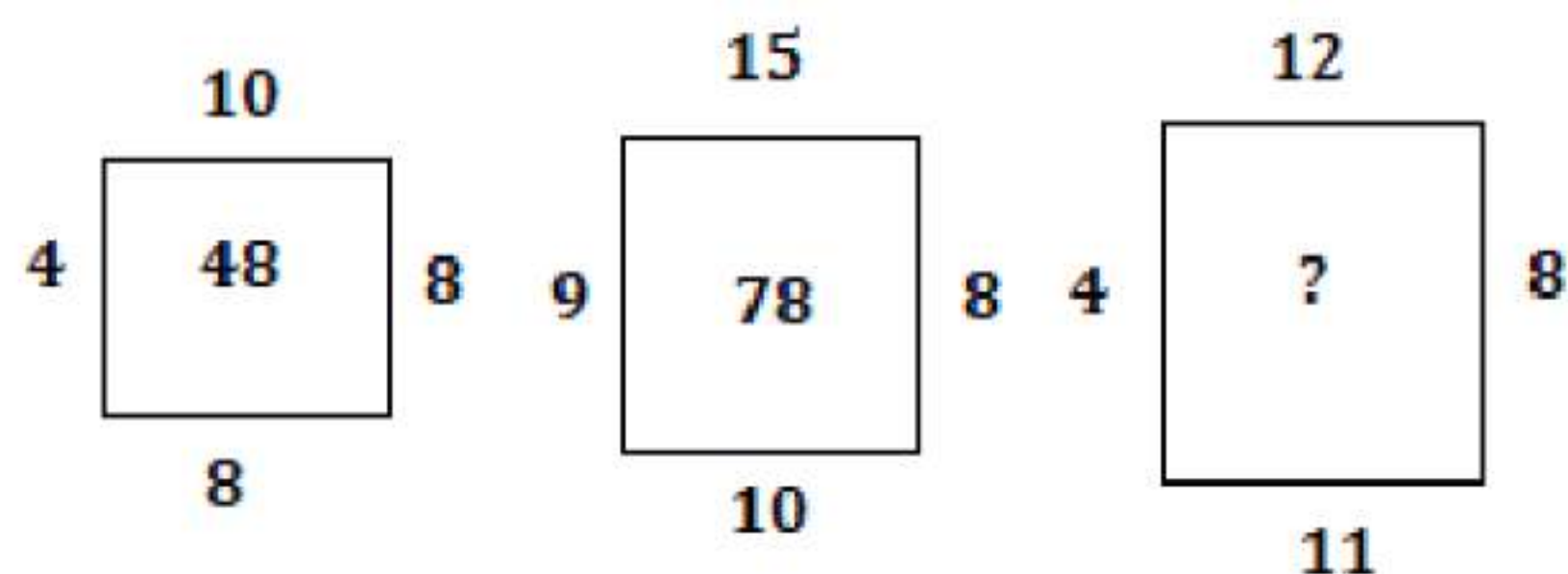
1. 25
2. 41
3. 37
4. 47

71. Insert the missing letter.

A	F	K
C	H	M
F	K	?

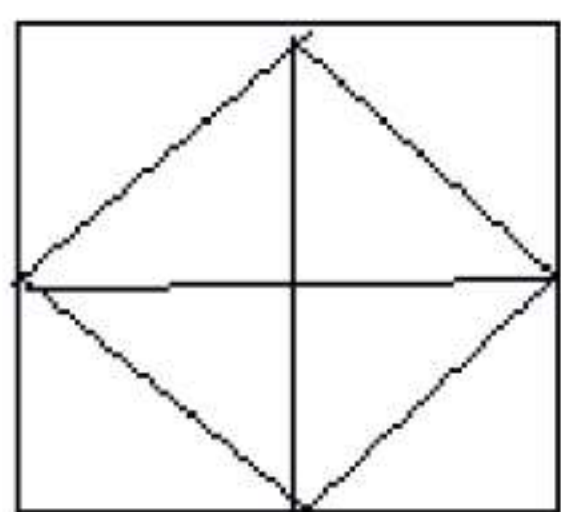
1. N
2. O
3. P
4. Q

72. Insert the missing number:



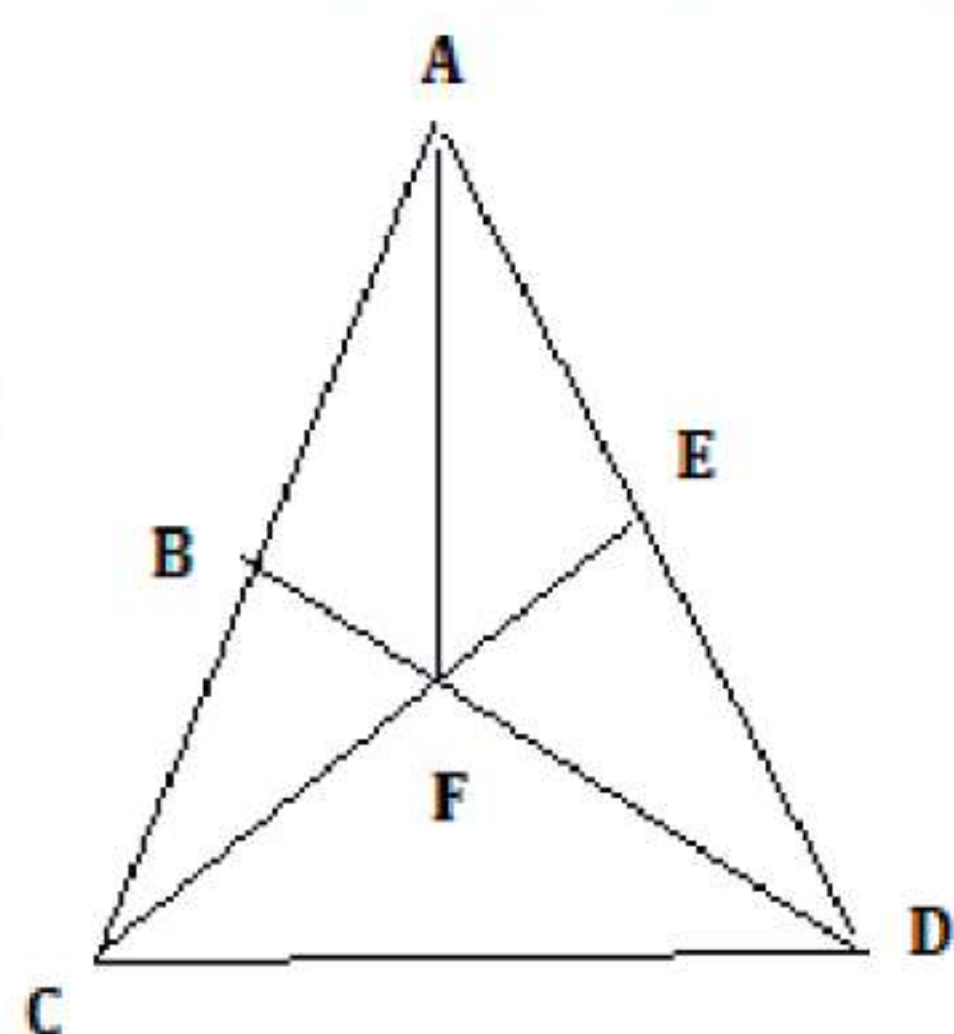
1. 88
2. 100
3. 32
4. 132

73. Count the number of triangles in the following figure.



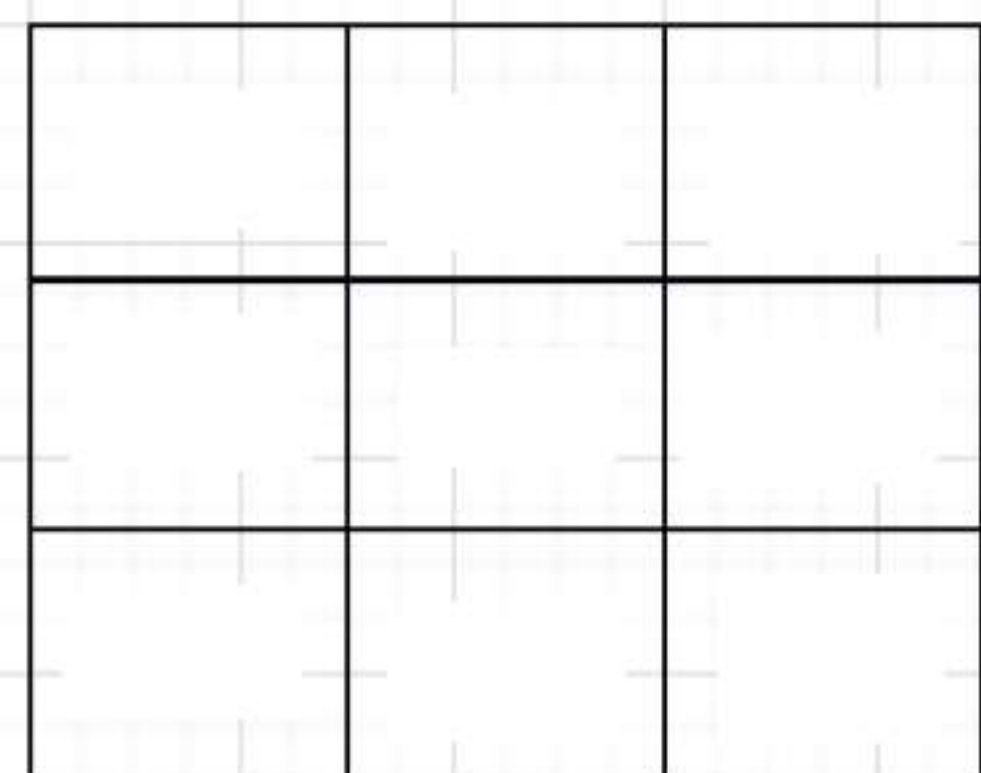
1. 8
2. 10
3. 12
4. 14

74. How many triangles are present in the following figure?



1. 14
2. 10
3. 12
4. 16

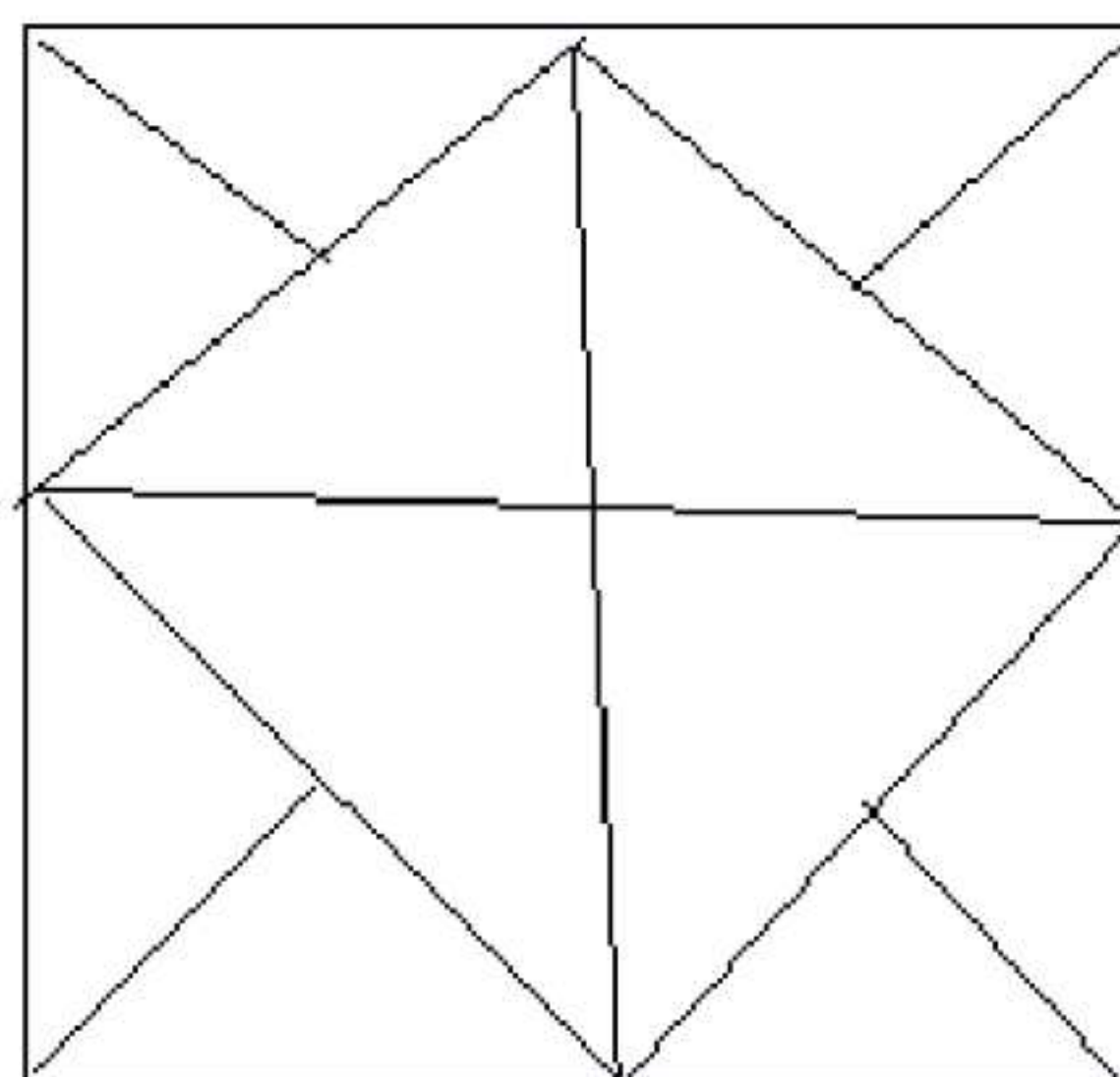
75. How many squares are present in the given figure?



1. 9
2. 10

3. 11
4. 14

76. How many triangles are contained in the given figure?



1. 9
2. 12
3. 13
4. 20

77. If D = 4 and COVER = 63, then BASIC is equal to

1. 49
2. 50
3. 34
4. 55

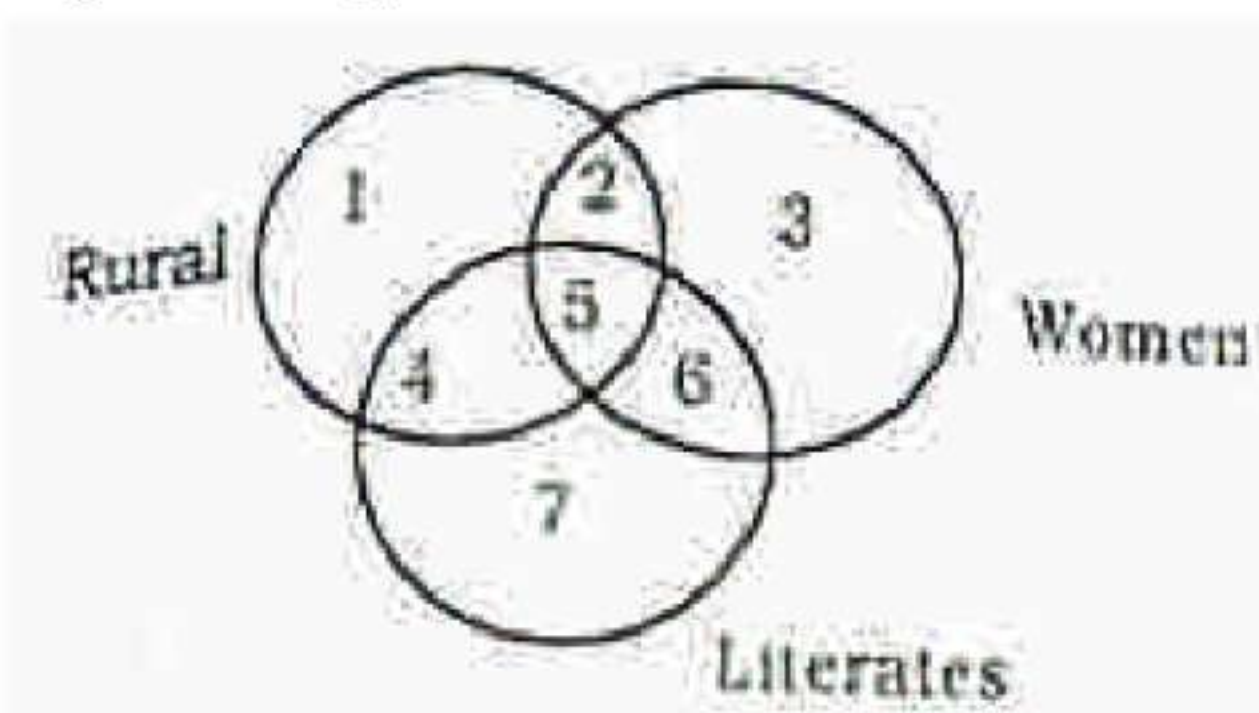
78. If in a certain language (A) is coded as 1, B is coded as 2, C is coded as 3, and so on, how is BIDDIC coded in that language?

1. 294493
2. 284563
3. 375582
4. 394492

79. Next number in series: 2, 4, 8, 16, ?

1. 24
2. 30
3. 32
4. 36

80. Study the diagram below and identify the region representing rural literate.



1. 5, 6
2. 4, 5, 2
3. 5, 4
4. 4, 5, 7

81. If in a code, STAR = TBAS, then MOON = ?

- | | |
|---------|---------|
| 1. NPPO | 2. NPPO |
| 3. OOMP | 4. NOPP |

82. If M = 13, then MOTHER = ?

- | | |
|-------|-------|
| 1. 87 | 2. 85 |
| 3. 78 | 4. 79 |

83. Which letter comes next? Z, X, U, Q, __

- | | |
|------|------|
| 1. M | 2. L |
| 3. O | 4. P |

84. Which is different?

- | | |
|------------|----------|
| 1. Parrot | 2. Eagle |
| 3. Sparrow | 4. Frog |

85. If BACK = 21411, then DEAF = ?

- | | |
|----------|----------|
| 1. 41561 | 2. 4516 |
| 3. 4514 | 4. 41514 |

86. Odd one:

- | | |
|------------|-----------|
| 1. Tennis | 2. Chess |
| 3. Cricket | 4. Hockey |

87. Complete the analogy: Dog : Puppy :: Cat : ?

- | | |
|-----------|--------|
| 1. Calf | 2. Kid |
| 3. Kitten | 4. Cub |

88. Next in the alphabet series: A, D, H, M, __

- | | |
|------|------|
| 1. R | 2. P |
| 3. Q | 4. S |

89. Which number comes next? 13, 21, 34, 55, __

- | | |
|-------|-------|
| 1. 77 | 2. 89 |
| 3. 75 | 4. 67 |

90. Which is different?

- | | |
|----------|---------|
| 1. Leg | 2. Hand |
| 3. Mouth | 4. Book |

91. Alphabet Test: If the word "STUDENT" is reversed, what is the 3rd letter from left?

- | | |
|------|------|
| 1. N | 2. E |
|------|------|

3. D

4. U

92. Which word cannot be formed from "ENGLISH"?

- | | |
|----------|---------|
| 1. SHINE | 2. SHE |
| 3. SIGN | 4. LENS |

93. Letter series: M, O, Q, S, __

- | | |
|------|------|
| 1. R | 2. T |
| 3. U | 4. V |

94. Analogy: Pen : Write :: Knife : ?

- | | |
|---------|-----------|
| 1. Draw | 2. Cut |
| 3. Eat | 4. Stitch |

95. Which cube face is opposite to the face three if cube faces are numbered 1 to 6?

- | | |
|------|------|
| 1. 4 | 2. 5 |
| 3. 2 | 4. 6 |

96. If 1 = Z, 2 = Y, 3 = X, then 5 = ?

- | | |
|------|------|
| 1. T | 2. V |
| 3. U | 4. S |

97. If E=5, ACE=1+3+5= ?

- | | |
|-------|------|
| 1. 9 | 2. 7 |
| 3. 11 | 4. 8 |

98. Complete the analogy: Doctor : Hospital :: Teacher : ?

- | | |
|-----------|------------|
| 1. School | 2. Station |
| 3. Clinic | 4. Bank |

99. In a group of shapes: Square, Circle, Triangle, Rectangle – which is different?

- | | |
|--------------|-------------|
| 1. Circle | 2. Square |
| 3. Rectangle | 4. Triangle |

100. Similarity: Cow : Calf :: Horse : ?

- | | |
|----------|---------|
| 1. Kid | 2. Colt |
| 3. Puppy | 4. Lion |

ANSWER KEY					
Sr.No	EVS	Sr.No	MATH	Sr.No	MAT
1	B	21	C	61	B
2	C	22	A	62	A
3	C	23	B	63	D
4	C	24	D	64	B
5	D	25	B	65	B
6	C	26	A	66	D
7	A	27	A	67	D
8	B	28	C	68	B
9	B	29	D	69	A
10	D	30	B	70	D
11	C	31	D	71	C
12	C	32	A	72	B
13	B	33	A	73	D
14	B	34	C	74	D
15	C	35	A	75	D
16	B	36	C	76	D
17	C	37	B	77	C
18	D	38	C	78	A
19	B	39	D	79	C
20	C	40	B	80	C
		41	B	81	D
		42	A	82	A
		43	B	83	A
		44	A	84	D
		45	A	85	D
		46	B	86	B
		47	D	87	C
		48	A	88	A
		49	A	89	B
		50	B	90	D
		51	B	91	C
		52	A	92	A
		53	A	93	B
		54	C	94	B
		55	B	95	A
		56	A	96	B
		57	B	97	A
		58	C	98	A
		59	C	99	A
		60	A	100	B



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RESULTS & PRIZE DISTRIBUTION DETAILS

Answer Key Available	Answer Key Challenge	Result Declaration TOP 10 (Class Wise)	Prize Distribution Function	Result Declaration of all Participants
30 th Sep. 2025	1 st to 3 rd Oct. 2025	8 th Oct. 2025	12 th Oct. 2025	15 th Oct. 2025

For Answer Key Challenges, please write to "challenge.boh2025@gmail.com" with the following details:-

(1). Your Name (2) Roll Number (3) School Name (4) Mobile Number (5) Specific Question(s) being challenged

Your challenge will be reviewed accordingly.

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SUPER 100

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