

# NAB Competition 2021- II - 3RD

National Analytical Brains Competition 2021-II- 3rd

\* Required

1. Name \*

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2. Registration ID \*

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3. Contact Number ( registered one) \*

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Mathematical Ability

All question are mandatory. Please note there is no negative marking:

4. 1. There are 5 pairs of socks in one box. How many socks are there in two boxes?

*Mark only one oval.*

8

7

20

12

5. 2. The smallest three digits number divisible by 3 is \_\_\_\_\_

*Mark only one oval.*

- 100  
 101  
 102  
 103

6. 3. Ramu went to a shop and purchased 5 kg of potatoes at the rate of ₹ 30 per kg and 4 kg of brinjal at the cost of ₹ 22 per kg. Total how much money he paid to the shopkeeper?

*Mark only one oval.*

- 138  
 238  
 52  
 266

7. 4. Find the value of 9 tens and 4 ones + 5 tens and 6 ones.

*Mark only one oval.*

- 149  
 159  
 150  
 114

8. 5. Lavenna gets 43 marks in the first test. She gets 35 more marks in the second test. How many marks does she get in all?

*Mark only one oval.*

- 121
- 78
- 76
- 87

9. 6.



has 6 legs. How many legs do 7 ladybugs have?

*Mark only one oval.*

- 42
- 13
- 12
- 35

10. 7. In a society there are three blocks. In first block, there are 15 houses. In second block, there are 21 houses. In third block there are 24 houses. How many houses are there in total?

*Mark only one oval.*

- 70
- 64
- 60
- 40

11. 8. Find the sum of first five numbers in the table of 2.

*Mark only one oval.*

- 16  
 30  
 20  
 28

12. 9. Ram has 29 more stickers than Mark. If Mark has 92 stickers, how many stickers does Ram have?

*Mark only one oval.*

- 121  
 123  
 112  
 129

13. 10. Which of the following is less than  $41+21$ ?

*Mark only one oval.*

- 73  
 63  
 62  
 61

14. 11. Which of the following is a way to make 279?

*Mark only one oval.*

- $200 + 97$   
  $179 + 105$   
  $262 + 17$   
  $215 + 62$

15. 12. Which is the related subtraction fact for  $578 - 36 = 542$ ?

*Mark only one oval.*

- $36 - 578 = 542$
- $578 - 542 = 36$
- $36 - 542 = 578$
- $587 - 36 = 542$

16. 13. How many minutes does the minute hand take to move from 6 to 12?

*Mark only one oval.*

- 30 minutes
- 20 minutes
- 25 minutes
- 35 minutes

17. 14. Best way to measure distance between two cities is :

*Mark only one oval.*

- Kilometer
- Meter
- Centimeter
- Millimeter

18. 15. The school holiday starts after four weeks. School opens 5 days a week. How many school days are left until the holiday starts?

*Mark only one oval.*

- 35
- 26
- 24
- 20

19. 16. There are two kinds of seeds to choose from a shop. If brand A is ₹ 50 for 5 kg and brand B is ₹ 48 per 4 kg, which brand is cheaper?

Mark only one oval.

- Brand A
- Brand B
- Both of Equal
- Can't Say

20. 17. Which of the following clocks shows time as quarter to 9?



A



B



C



D

Mark only one oval.

- A
- B
- C
- D

21. 18. Asha takes piano lessons every Sunday. If she went to the piano class on August 5, when will she have her next class?

Mark only one oval.

- August 10
- August 12
- August 15
- August 7

22. 19. Rohan can run 400 meters in a minute. How far could he run in 2 minutes?

*Mark only one oval.*

- 200 meters
- 400 meters
- 800 meters
- 600 meters

23. 20. What is the difference between the place value of 6 and 8 in the number 6784?

*Mark only one oval.*

- 2
- 20
- 520
- 5920

Logical Reasoning  
Ability

All question are mandatory. Please note there is no negative marking:

24. 21. Find the odd one out:

*Mark only one oval.*

- Parrot
- Sparrow
- Bear
- Peacock

25. 22. In below series , which option will come in place of"?".

**2, 5, 8, 11, ?**

*Mark only one oval.*

13

14

15

10

26. 23. If 'pen' is 'table', 'table' is 'fan' and 'fan' is 'chair' then which one is used for writing?

*Mark only one oval.*

Pen

Table

Fan

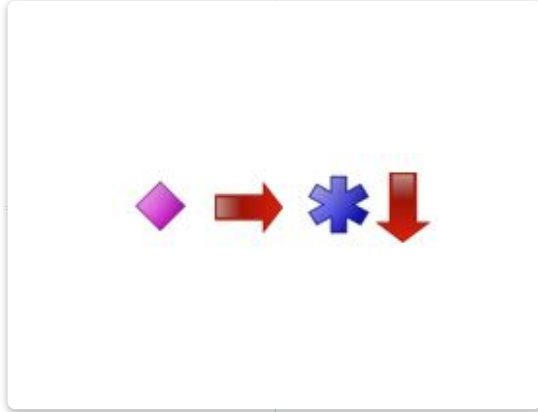
Chair



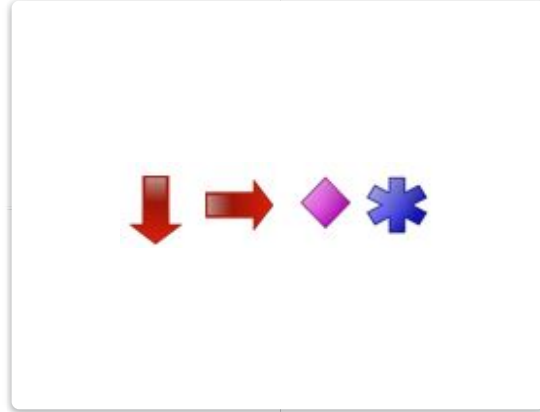
27. 24. What will be the code for crow if:

◆ = R, → = W, \* = O, ↓ = C

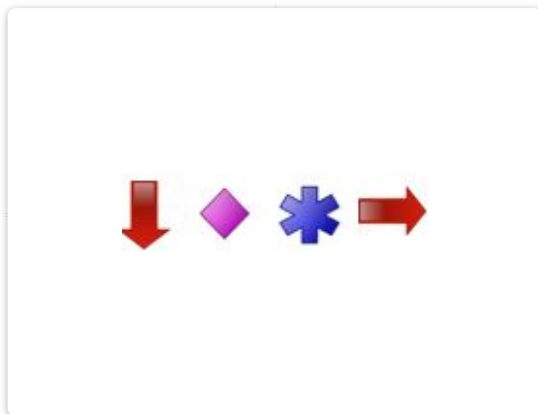
Mark only one oval.



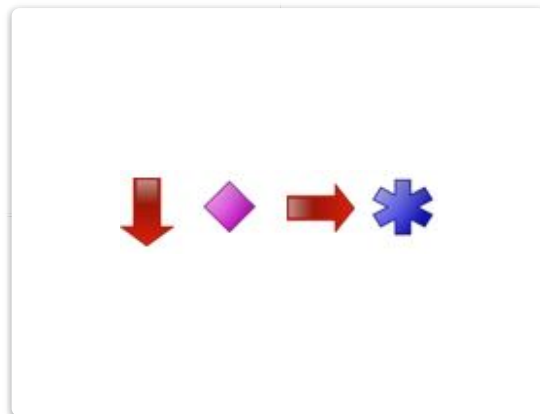
Option 1



Option 2

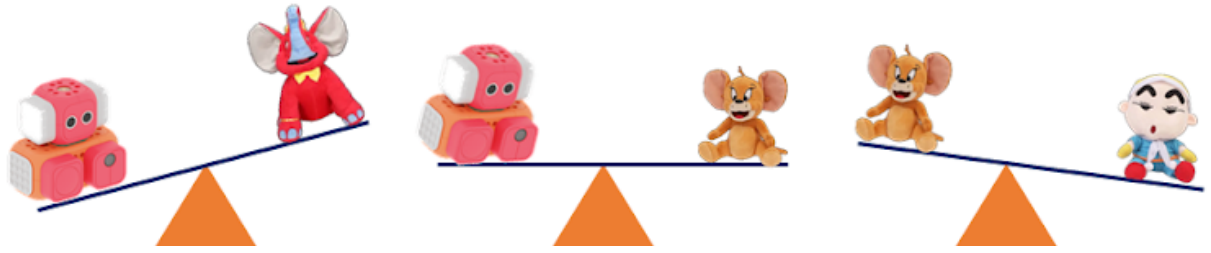


Option 3



Option 4

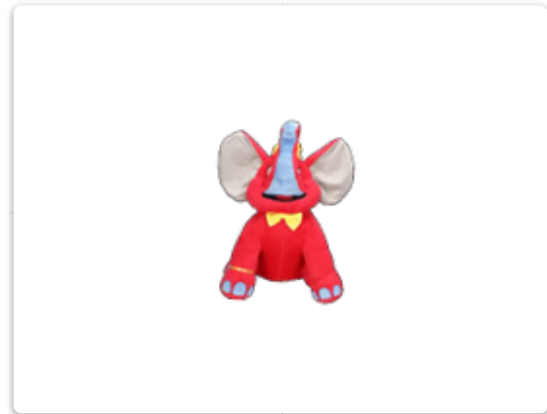
28. 25. Which toy is the heaviest?



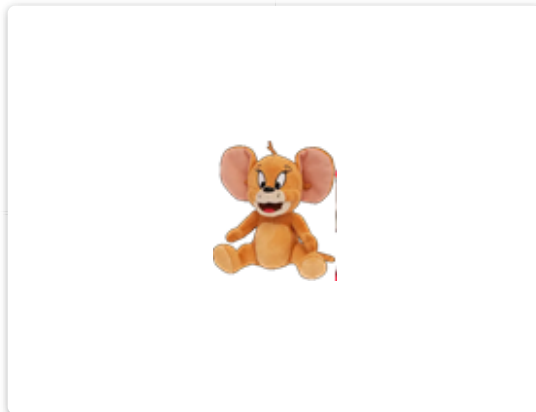
Mark only one oval.



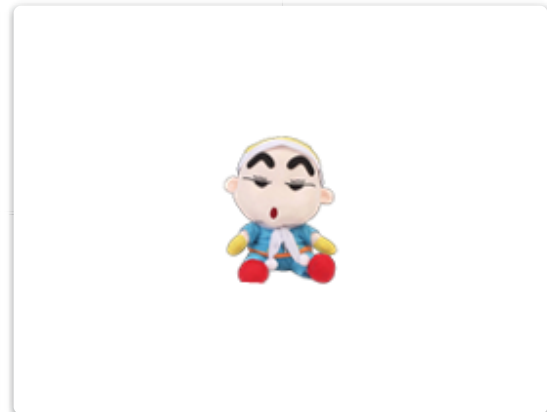
Option 1



Option 2



Option 3



Option 4

29. 26. If 'TOP' is written '682' then how would 'POT' be written in the code language?

Mark only one oval.

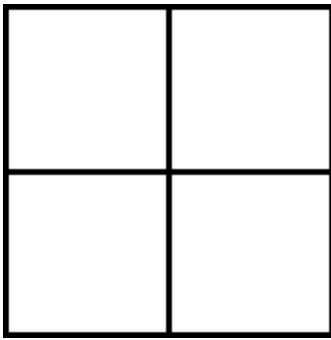
682

286

826

268

30. 27. How many squares are there in the below figure:



Mark only one oval.

- 1
- 4
- 6
- 5

31. 28. Find the missing number, if the same rule is followed in all the three figures.



Mark only one oval.

- 18
- 20
- 22
- 16

32. 29. How many lines are there in the below figure:



Mark only one oval.

- 4
- 2
- 6
- 7

33. 30. How many balls are there in each group, if 6 groups of equal number of balls are formed from the given balls?



Mark only one oval.

- 6
- 9
- 18
- 3

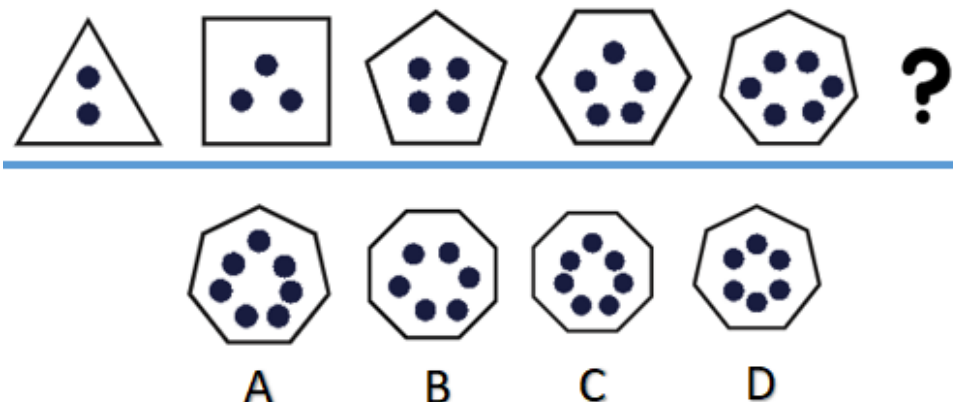
34. 31. If the time in given clocks follows certain pattern, then what will be the time on the Clock 5?



Mark only one oval.

- 11:05
- 11:15
- 11:25
- 11:20

35. 32. Which of the following figures will replace (?) to complete the given figure series?



Mark only one oval.

- A
- B
- C
- D
- None of these

36. 33. Rabbit \_\_\_\_\_ is second last from the finishing point.



Mark only one oval.

- B
- A
- E
- F

37. 34. Rohin is lighter than Anisha. Mihul is heavier than Sanskar. Sanskar is heavier than Anisha. Who is the lightest?



Sanskar



Mihul



Rohin






Anisha

Mark only one oval.

- Sanskar
- Mihul
- Rohin
- Anisha

38. 35.

If  can be written as 4,  can be written as 5, then  can be written as \_\_\_\_\_

Mark only one oval.

 5 6 3 4

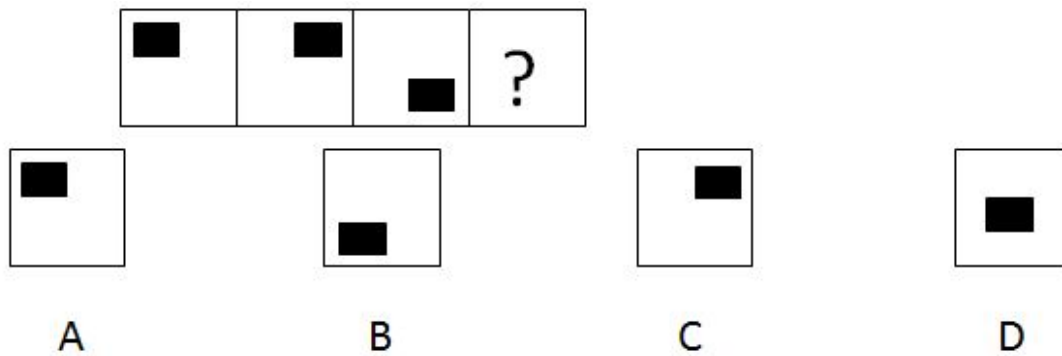
39. 36. Find the missing number, if same rule is followed in the given figure.



Mark only one oval.

 26 21 11 31 None of these

40. 37. Observe the patterns in the figures given in the boxes and find the missing figure.



Mark only one oval.

- A
- B
- C
- D

41. 38. Find the odd one out:

Mark only one oval.

- Farmer : Crop
- Cobbler : Shoe
- Barber : Haircut
- Maid : car

42. 39. Which letter is at 15th Position from your right?

**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**

Mark only one oval.

- K
- L
- O
- N



43. 40. Which of the following figures will replace (?) to complete the given figure series?



Mark only one oval.



Option 1



Option 2



Option 3



Option 4

Questions from 41 to 50 are correlated:

Today is your birthday and you decided to celebrate it with your classmates. There are total 40 students in your class.

44. Q 41: On birthday you decided to give a pencil to each of your classmates. Total how many pencils will be required?

*Mark only one oval.*

- 40
- 39
- 37
- 41

45. Q 42: You decided to order pizzas. Each pizza has 4 pieces. So how many pizzas will you order so that everyone gets one piece.

*Mark only one oval.*

- 10
- 11
- 9
- 40

46. Q 43: You invited all your classmates at home for a dinner party. Two kids could not come and one classmate came with his sister. Total how many kids came to the party.

*Mark only one oval.*

- 40
- 38
- 37
- 39

47. Q 44: In birthday party, you decorated your room by balloons. With four balloons in each corner of the room. Total how many balloons were used.

*Mark only one oval.*

4

8

12

16

48. Q 45: Half of the balloons are of red color and rest are of blue color. How many balloons are of blue color?

*Mark only one oval.*

6

8

10

12

49. Q 46: Candle cost was ₹2 per candle, cap cost was ₹ 5 per cap. You ordered 7 candles and 40 caps. How much was the total cost of that:

*Mark only one oval.*

₹214

₹319

₹7

₹115

50. Q 47: During party 6 balloons got burst. How many balloons are left now:

*Mark only one oval.*

6

12

10

8

51. Q 48: Birthday party started at 4:00 PM and got ended at 8:00 PM. For how many hours you celebrated your birthday?

*Mark only one oval.*

8

12

2

4

52. Q 49 Your mom asked you to give one return gift to every child. How many return gifts you gave?

*Mark only one oval.*

38

37

39

40

53. Q 50: You ordered a cake of 8 Kg. But half of the cake was only eaten up. How much cake left?

*Mark only one oval.*

2 Kg

1 Kg

4 Kg

6 Kg

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