

# NAB Competition 2021 - Grade 04

National Analytical Brains Competition 2021 for Grade 04

**\* 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. Divide 2007 pencils into packs of 3. How many pencils are there in one packets ?

*Mark only one oval.*

667

669

559

None of these

5. 2. Rahul has a wonderful machine if you put any number in it, machine first divide the number by 3 and subtract by 2 and finally add 4. If I put 18 then what is the result?

*Mark only one oval.*

- 8
- 6
- 18
- None of these

6. 3. If the cost of 5 spoons is ₹ 20 then what is the cost of 20 spoons ?

*Mark only one oval.*

- ₹ 100
- ₹ 60
- ₹ 80
- None of these

7. 4. Mohini bought one and half dozen toffees on her birthday. She distributed 15 toffees among her friends. How many toffees are left with her?

*Mark only one oval.*

- 2
- 1
- 3
- None of these

8. 5. Find the number which when divided by 6 gives 4 as remainder and 4 as the quotient?

*Mark only one oval.*

- 28
- 22
- 23
- None of these

9. 6. In one year a furniture manufacturer sold 1112 dining tables at ₹ 1007 each. How much money did he receive for this sale?

*Mark only one oval.*

- 1119784
- 1116884
- 1118284
- None of these

10. 7. Which equation satisfies the order (commutative) property of multiplication?

*Mark only one oval.*

- $56 \times 1 = 1 \times 56$
- $(56 \times 1) + (56 \times 5) = 56 \times (1 + 5)$
- $56 \times 1 = 56$
- $(56 \times 1) \times 5 = 56 \times (1 \times 5)$

11. 8. If the cost of onions is ₹ 25 per kg. And cost of potatoes is ₹ 12 per kg. What is the cost of 5 kg onions and 2 kg of potatoes?

*Mark only one oval.*

₹ 129

₹ 42

₹ 37

₹ 149

12. 9. The sum of two numbers is 945. One of the numbers is 326. Find the 2nd number.

*Mark only one oval.*

1271

619

614

None of these

13. 10. Subtract the number of weeks in a year from the number of days of a leap year.

*Mark only one oval.*

385

358

314

None of these

14. 11. What is the difference between the place value of 3 and 5 in the number 3057?

*Mark only one oval.*

- 250
- 2950
- 990
- None of these

15. 12. Raju, Sonu and Monu collect 2456, 450, 5023 stones respectively , Monu gives 45 stones to Sonu and Sonu gives 78 stones to Raju. Now total number of stones are:

*Mark only one oval.*

- 7829
- 7929
- 7925
- None of these

16. 13. Lubhansh bought 100 cups, 10 plates, and 100 spoons from the store. The cups cost ₹ 0.50 a piece. The plates cost ₹ 2.5 a piece. The spoons cost ₹ 0.50 a piece. If he already paid ₹ 100, how much more money does he need to pay?

*Mark only one oval.*

- 15
- 25
- 5
- None of these

17. 14. Shiv thinks of a number. After adding 25 to it, he gets 1225. What is the number?

*Mark only one oval.*

- 1275
- 1250
- 1200
- None of these

18. 15. Ravi's first day of job is on 4th may. Rahul started his job 7 days before Ravi. Rahul started his job on

*Mark only one oval.*

- 31st April
- 1st may
- 27th April
- 29th April

19. 16. The minute hand takes \_\_\_\_\_ rotations to move hour hand from 2 o'clock to 8 o'clock?

*Mark only one oval.*

- 12
- 4
- 10
- 6

20. 17. A bus started from Delhi at 0900 hours and reached Haridwar at 1235 hours. How much time did the bus take to reach Haridwar?

Mark only one oval.

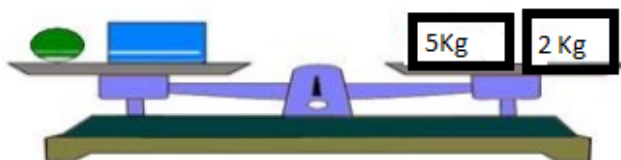
- 2 hours 35 min
- 3 hours 16 min
- 3 hours 35 min
- 2 hours 30 min



21. 18. Rajkumari has 750 m 80 cm of wire. She used 505 m 99 cm of wire for fencing. How much wire is left with her?

Mark only one oval.

- 241 m 19 cm
- 245 m 81 cm
- 244 m 19 cm
- 244 m 81 cm

22. 19.

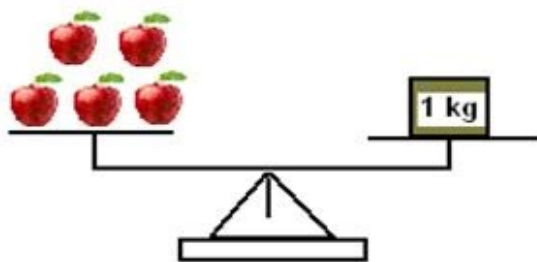


In the given picture, the weight of  is 2 kg 500 g. What is the weight of  ?

Mark only one oval.

- 4 kg, 500g
- 3kg, 500g
- 5kg, 100g
- 5kg

23. 20. The weight of an apple is



Mark only one oval.

- 500g
- 900g
- 100g
- 200 g

Logical Reasoning  
Ability

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

24. Q 21: Find the odd one out:



Mark only one oval.

- A
- B
- C
- D



25. Q 22: The below money is equal to:



Mark only one oval.

- ₹ 54 + ₹ 100 + ₹ 111 + ₹ 20
- ₹ 34 + ₹ 108 + ₹ 111 + ₹ 12
- ₹ 75 + ₹ 75 + ₹ 104 + ₹ 16
- ₹ 86 + ₹ 14 + ₹ 130 + ₹ 45

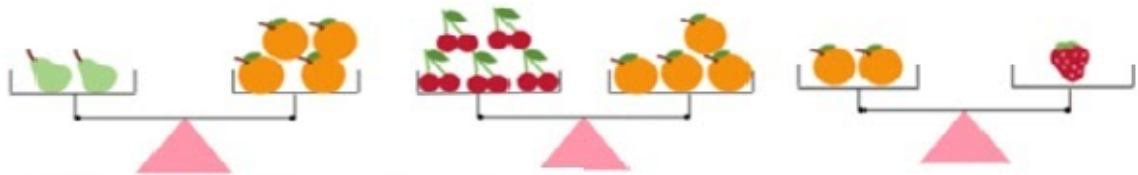
26. Q 23: Cat \_\_\_\_\_ is fourth from the right end.





Mark only one oval.

- C
- Q
- Z
- A

27. Q 24: If



How Many  is / are equal to one  ?

Mark only one oval.

- 1
- 2
- 3
- 4

28. Q 25: Which one of the following is the water image of the given figure?

**HOME**

**EMOH**

**A**

**HOWE**

**B**

**HOME**

**C**

**EHOM**

**D**

Mark only one oval.

- A
- B
- C
- D

29. Q 26: In the given series what will come in the “?”.



Mark only one oval.

- 18
- 24
- 36
- 30
- None of these

30. Q 27: Out of the below four options which one fits in the series:

ACB   GIH   LNM   XZY

Mark only one oval.

- RTU
- RTS
- SRT
- SWV

31. Q 28: In a certain code language, the letters are coded as shown here. The code for CYCLONE would be:

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
| C | Y | I | E | T | L | R | O | M | N |
| % | @ | ! | & | [ | ] | ? | < | > | { |

Mark only one oval.

- %@%]<{&
- %@%?<{&
- %@%]<{&
- %@%]<>&

32. Q 29: Which one of the following is the mirror image of the given word?

**MATH**

**HTAM**

A

**WVLH**

B

**MATH**

C

**MATH**

D

Mark only one oval.

- A
- B
- C
- D

33. Q 30: Replace the question mark with the correct option:

**5    11    17    23    ?**

*Mark only one oval.*

28

29

31

27

34. Q 31: If in a certain code, 'HOME' is written as 'EMOH', then how will 'SLEEP' be written in that code?

*Mark only one oval.*

PELES

PEESL

PEELS

EEPLS

35. Q 32: Find the odd one out:

*Mark only one oval.*

Foot Ball

Basket Ball

Volley Ball

Swimming

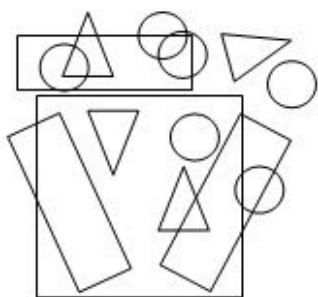
36. Q 33: How many lines are there in the below figure:



Mark only one oval.

- 10
- 8
- 12
- 9

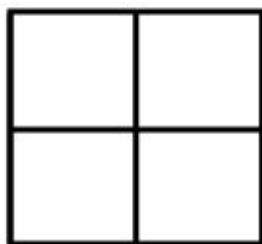
37. Q 34: Which shape is appearing maximum number of times:



Mark only one oval.

- Square
- Rectangle
- Circle
- Triangle

38. Q 35: How many squares are there in the below figure:



Mark only one oval.

4

6

5

8

3

39. Q 36: Which rabbit will be third last to finish the race?



Mark only one oval.

P

C

Z

S

40. Q 37: If “brown” is called “blue”, “blue” is called “white”, “white” is called “yellow”, then color of “SKY” is \_\_\_\_?

Mark only one oval.

- Brown
- Blue
- White
- Yellow

41. Q 38: Mohit is heavier than Sukoon. Rita is lighter than Anita. Sukoon is heavier than Anita. Who is the lightest?

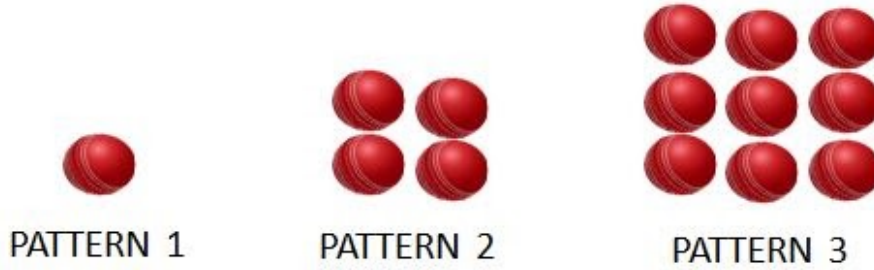


Mark only one oval.

- Mohit
- Sukoon
- Rita
- Anita



42. Q 39: How many balls will be there in PATTERN 5?



Mark only one oval.

- 16
- 25
- 8
- 12

43. Q 40: If the total weight of the ice-cream cups shown below is 480 grams, then the weight of 4 such ice-cream cups will be \_\_\_?



Mark only one oval.

- 240 g
- 280 g
- 360g
- 320 g

**Real Life Problems**

Questions from 41 to 46 are co-related:

Below are the some of the events which were done by Rahim on a particular day. Please help me in finding the best possible choice to complete the sentences:

44. Q 41: At 7:00 am – Rahim had a bath in 10 \_\_\_\_\_ of water.

*Mark only one oval.*

- Seconds
- Litres
- Meters
- All options are correct

45. Q 42: At 7.30 am - For breakfast Rahim had 100 \_\_\_\_\_ of cereal.

*Mark only one oval.*

- Kilograms
- Litres
- Grams
- All options are correct

46. Q 43: At 8.10 am - He had to run for the bus today. The bus stop is 100 \_\_\_\_\_ away from his house.

*Mark only one oval.*

- Metres
- Kilometres
- Centimetres
- Millimetres

47. Q 44: At 11.00 am - During break he shared out a LITRE bottle of lemonade, between his five friends equally. They each had 200 \_\_\_\_\_ of lemonade, to drink.

*Mark only one oval.*

- Litres  
 Millilitres  
 Kilolitres  
 Centimetres

48. Q 45: At 7.30 pm – He saw that the road outside his house was looking like a river! He saw that main water pipe had burst and there are \_\_\_\_\_ of water gushing down the road.

*Mark only one oval.*

- Millilitres  
 Yards  
 Gallons  
 Kilograms

49. Q 46: At 7.45 pm – He planned to watch a film on TV. It was 1 ½ \_\_\_\_\_ long.

*Mark only one oval.*

- Minutes  
 Hours  
 Seconds  
 Metres

50. Q 47: A teacher wants to give 30 students some books. How many books does the teacher need so that at least one student will get two books?

*Mark only one oval.*

31

60

30

62

51. Q 48: You are asked to arrange 5 matchsticks in a line on a table. Every two matchsticks are 10 cm apart. How far is the 5th match stick from the first one?

*Mark only one oval.*

50

60

40

Cannot Say

52. Q 49: You ranked at 7th position from the top in your class of 25 students. What will be your rank from the bottom?

*Mark only one oval.*

18

19

20

17

53. Q 50: In how many different ways you can arrange 24 glasses on a kitchen shelf? Choose the best answer.

*Mark only one oval.*

- 4 ways ( All 24 glasses in 1 row. 2 rows of 12 glasses each. 3 rows of 8 glasses each. 4 rows of 6 glasses each. )
- 3 ways (All glasses in 1 row. 2 rows of 12 glasses each. 3 rows of 8 glasses each. )
- 2 ways (All glasses in 1 row. 3 rows of 8 glasses each. 4 rows of 6 glasses each.)
- 1 way (All glasses in 1 row.)

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