

NAB Competition 2021 - Grade 03

National Analytical Brains Competition 2021 for Grade 03

* Required

1. Name *

2. Registration ID *

3. Contact Number (registered one) *

Mathematical Ability

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

4. 1. Pawan has a wonderful machine if you put any number in it, machine first subtracts the number by 3 and then adds 2. If I put 18 then what is the result?

Mark only one oval.

23

17

16

None of these

5. 2. Which equation satisfies the order (commutative) property of multiplication?

Mark only one oval.

- $65 \times 1 = 1 \times 65$
- $(65 \times 1) + (65 \times 5) = 65 \times (1 + 5)$
- $65 \times 1 = 65$
- $(65 \times 1) \times 5 = 65 \times (1 \times 5)$

6. 3. The sum of two numbers is 1000. One of the numbers is 326. Find the 2nd number.

Mark only one oval.

- 1326
- 674
- 626
- None of these

7. 4. 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

8. 5. Find the number which is divided by 2 gives 1 as remainder and 4 as the quotient?

Mark only one oval.

- 8
- 6
- 9
- None of these

9. 6. Raju, Sonu and Monu collect 456, 450, 323 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.

- 1229
- 1106
- 1129
- None of these

10. 7. Aayasha works for continuous 4 hours on her school assignment. If she started working at half past 2, when did she finish her assignment?

Mark only one oval.

- Quarter to 7
- Half Past 5
- Quarter to 6
- Half past 6

11. 8. What must be added to 6 tens to make 10 tens?

Mark only one oval.

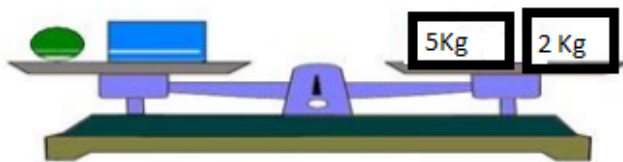
- 16
- 4
- 40
- None of these


12. 9. Find the value of $198 + 14$ tens ?

Mark only one oval.

- 238
- 212
- 338
- None of these

13. 10.



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

Mark only one oval.

- 7 kg, 500g
- 9kg, 500g
- 4kg, 500g
- 1kg

14. 11. 16 children were riding in the bus. At the bus stop, some more children got into the bus. Then there were 28 children altogether in the bus. How many children got into the bus at the bus stop?

Mark only one oval.

- 12
- 44
- 11
- None of these

15. 12. Salma earned ₹ 9000 in a month and spent ₹ 5496. Find her savings?

Mark only one oval.

- 4504
- 4514
- 3504
- None of these

16. 13. Reena has 32 socks which she puts into pairs. How many pairs of socks she make?

Mark only one oval.

- 64
- 16
- 32
- None of these

17. 14. If the cost of 4 pens is ₹ 20 then what is the cost of 10 pens?

Mark only one oval.



- 34
- 90
- 50
- None of these

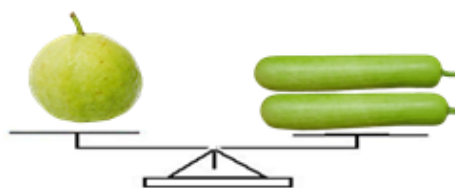
18. 15. Romy has 750 m 80cm of wire. She used 505 m 40cm of wire for fencing. How much wire is left with her?

Mark only one oval.

- 245 m 40 cm
- 255 m 40 cm
- 255m 80 cm
- None of these

19. 16.

If the weight of  is 500 grams, find the weight of 



Mark only one oval.

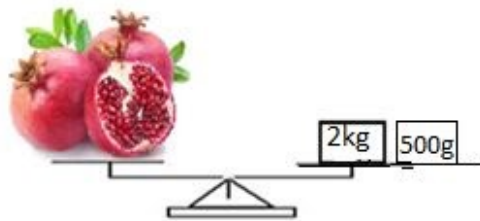
- 500g
- 1000g
- 350g
- 250g

20. 17. 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

21. 16. What is the weight of one pomegranate



Mark only one oval.

- 2 kg 500g
 1 kg
 500g
 250g

22. 19. Sarla went to resort by bus and it took 2 hours 30 min. Pushpa went to resort by car and it took 120 min to reach. How much less time did Pushpa take to reach the resort?

Mark only one oval.

- 20 min
 30 min
 35 min
 40 min

23. 20. How many minutes should be added to the time shown by the clock to make it quarter to 6?



Mark only one oval.

- 30 min
- 15 min
- 20 min
- 25 min

Logical Reasoning
Ability

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

24. 21. Find the odd one out:



A



B



C



D

Mark only one oval.

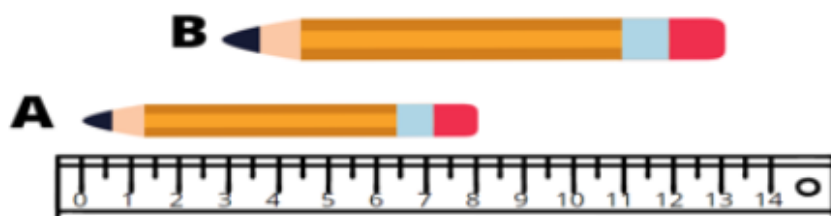
- A
- B
- C
- D

25. 22. If “Grape” is called “banana”, “banana” is called “watermelon”, “watermelon” is called “radish”, then which fruit is of yellow color?

Mark only one oval.

- Grape
- banana
- watermelon
- radish

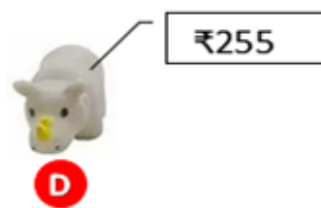
26. 23. On the scale shown below, pencil B is how much longer than pencil A?



Mark only one oval.

- 2
- 3
- 4
- 5

27. 24. Which of the following toy has price equal to below money?



Mark only one oval.

- A
- B
- C
- D

28. 25. Based on the below info can you tell who is the tallest child.



- 1) Amit is taller than Aneesh
- 2) Parul is not taller than Aneesh
- 3) Radhika and Aneesh are of equal height

Mark only one oval.

- Amit
- Radhika
- Aneesh
- Parul

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



Mark only one oval.

- 36
- 24
- 32
- 30
- None of these

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

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

Mark only one oval.

- %@% [&
- %@%?&
- %@%] &
- %@% @&

32. 29. Replace the question mark with the correct option:

5 8 11 14 ?

Mark only one oval.

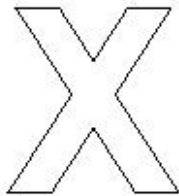
- 18
- 16
- 17
- 20

33. 30. Find the odd one out:

Mark only one oval.

- Foot Ball
- Basket Ball
- Volley Ball
- Swimming

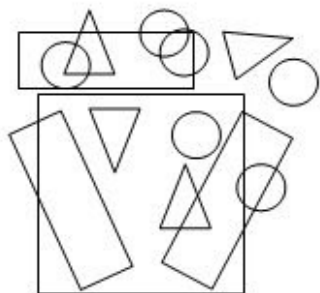
34. 31. How many lines are there in the below figure:



Mark only one oval.

- 10
- 14
- 12
- 8

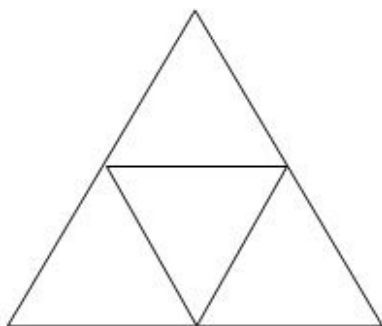
35. 32. Count the total number of shapes on the below figure:



Mark only one oval.

- 13
- 14
- 15
- 12

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



Mark only one oval.

- 4
- 6
- 5
- 8
- 3

37. 34. Which rabbit is at the third position?



Mark only one oval.

- P
- C
- Z
- S

38. 35. How many balls will be there in PATTERN 4?



Mark only one oval.

- 16
- 25
- 8
- 12

39. 36. In a certain code language 'RAT' is written as 'SBU'. How will 'DOG' be written in that code?

Mark only one oval.

- EQH
- EPH
- CQF
- HPE

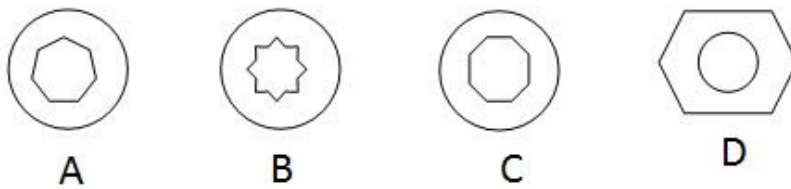
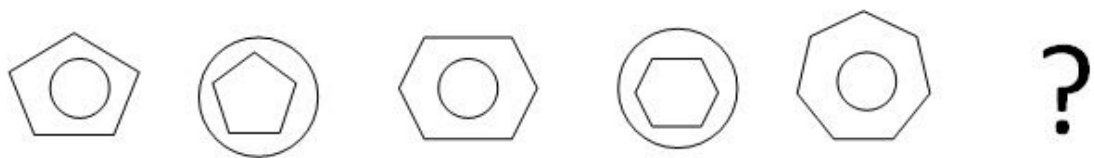
40. 37. Which of the following figures will replace (?) to complete the given figure series?



Mark only one oval.

- F
- 10
- 9
- G

41. 38. Which is the next figure?



Mark only one oval.

- A
- B
- C
- D

42. 39. How many groups of 3 butterflies can be formed from given butterflies?



Mark only one oval.

- 5
- 4
- 6
- 7

43. 40. Which of the following eggs is the heaviest?



Mark only one oval.

- Yellow Egg
- Blue Egg
- Pink Egg
- Cannot Say

Real Life Problems

The Cricket Match
Questions from 41 to 50 are interrelated.

44. 41. Garvit goes to watch World Cup at Narendra Modi Stadium. He sets off from home at 2:00PM and arrives at Stadium at 2:30 PM. How long does it take him to get there?

Mark only one oval.

- 35 minutes
 30 minutes
 1 hours
 55 minutes

45. 42. He travels in a bus that is exactly half full. The number allowed in a full bus is 54. How many were persons were in the bus?

Mark only one oval.

- 27
 54
 108
 50

46. 43. Outside stadium he joins the other cricket fans supporting India. He pays ₹ 42 as a junior. A senior has to pay two times this to get in. How much does a senior pay?

Mark only one oval.

- ₹ 42
 ₹ 21
 ₹ 84
 ₹ 44

47. 44. He goes to the stadium shop. He buys a magazine (₹ 16), a new cap (₹22) and the India flag (₹15). How much more does he need to add onto his ₹50 to pay for his things?

Mark only one oval.

- ₹ 53
- ₹103
- ₹50
- ₹3

48. 45. Garvit is hungry. He only has ₹ 20 left. What two items could he buy? Hot Dog ₹17, Soup ₹16, Samosa ₹12, Fish cutlet ₹ 15 and Tea ₹6.

Mark only one oval.

- Hot dog & Tea
- Samosa & Soup
- Samosa & Tea
- Fish Cutlet & Tea

49. 46. Currently England is at 3rd position. Pakistan is five places below them. Where is Pakistan in the world cup?

Mark only one oval.

- 7
- 8
- 9
- 5

50. 47. Indians have made 219 runs, but to win match they need 43 more run. What is the run score of another team?

Mark only one oval.

- 262
- 261
- 263
- None of these

51. 48. Garvit finds himself in a long queue for the bus to home. There are 7 people in front of him and 5 people behind him. How many people are waiting for a bus?

Mark only one oval.

- 12
- 11
- 13
- 14

52. 49. The bus already have 24 people and all the persons standing in the queue gets in to the bus then how many people are there in the bus ?

Mark only one oval.

- 36
- 38
- 37
- 35

53. 50. Garvit arrives home at 9:30 PM. How long has he been out of the house?

Mark only one oval.

7 hrs

8 hrs

7 hrs 30 minutes

6 hrs 30 minutes

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