

Verbal, Numerical, Visual-Spatial Test (VNVST) Sample Questions

B) NUMERICAL REASONING

Number and Letter Sequences

In each series, look for the degree and direction of change between the numbers. In other words, do the numbers increase or decrease, and by how much?

1) Look at this sequence: 2, 5, 11, 23, 47, 95, what number should come next?

- A) 95
- B) 96
- C) 180
- D) 190
- E) 191

ANSWER: E

2) Look at this sequence: G64, , E16, D8, C4, B2, what should fill the box?

- A) G32
- B) F16
- C) F32
- D) E16
- E) E32

ANSWER: C

3) Look at this sequence "45, 37, 29, 21, 13, 5," which number is at the 30th step?

- A) 293
- B) 240
- C) 187
- D) -187
- E) -240

ANSWER: D

General Arithmetic Aptitude

4) What number must be added to 14, 18, 26 and 30 to get an average of 22?

- A) 32
- B) 30
- C) 24
- D) 22
- E) 20

ANSWER: 22

5) Hasan, attempts to do the calculation "24 x 15" using a calculator but he discovers that "5" button does not work. What can Hasan do alternatively by using the calculator to find the answer?

- A) He can multiply 24 by 10 and then add 2 to the result.
- B) He can divide 24 by 30 and multiply result by 2.
- C) He can multiply 24 by 10 and then divide the result by 2.
- D) He can divide 24 by 4 and then multiply the result by 10.
- E) He can multiply 24 by 30 and then divide the result by 2.

ANSWER: E

6) In a book shelf, Mathematics book is ranked 45th from right and 32th from left. How many books are there in total in this shelf?

- A) 33
- B) 46
- C) 76
- D) 77
- E) 78

ANSWER: C

7) A two digit number is four times the sum of its digits. If 36 is added to it, the digits are reversed. What is the number at the beginning?

- A) 84
- B) 78
- C) 48
- D) 36
- E) 18

ANSWER: C

8) Fatma's previous salary was increased by 40% in January and then decreased by 15% in March. How did Fatma's previous salary change?

- A) Increased by 55%
- B) Decreased by 25%
- C) Increased by 61%
- D) Increased by 19%
- E) Decreased by 19%

ANSWER: D

9) Some apples were tried to be placed in 37 boxes, each containing 25 apples; however, it was seen that 8 more apples were needed to fill the last box completely. In this case, how many apples can be the most in the beginning?

- A) 900
- B) 908
- C) 917
- D) 925
- E) 933

ANSWER: C

10) $5 + 5 \times 5 - 5 \div 5 = ?$

- A) 9
- B) 19
- C) 29
- D) 49
- E) 50

ANSWER: C

- 11) Each square on the right was painted into yellow which has a number divisible by two. Similarly each square was painted into blue which has a number divisible by three. In this case, how many squares would be painted both yellow and blue?

14	16	17	18
19	20	21	22
23	24	25	26
27	28	29	30

- A) 8
- B) 7
- C) 6
- D) 3
- E) 2

ANSWER: D

Use of Tables

- 12) In a school, 292 of the students are males and the rest are females. In this school there are two types of students namely, blonds and brunettes. 63 of brunettes are females and 205 of males are blonds. If there are 503 students in total, how many of blonds are females?

- A) 235
- B) 225
- C) 211
- D) 148
- E) 87

ANSWER: D

- 13) In a box there are 210 chocolates. The number of *strawberry-dark chocolates* is equal to the number of *strawberry-milky chocolates*. The sum of the number of *orange-dark chocolates* and the number of *orange-milky chocolates* is the triple of the number of *strawberry-dark chocolates*. If there is no any other type of chocolate, find the number of chocolates which contain *strawberry*?

- A) 70
- B) 76
- C) 84
- D) 100
- E) 105

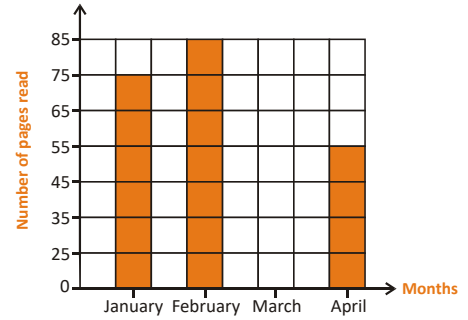
ANSWER: C

Use of Graphics

- 14) The graph on the right will show the number of pages read by Ayşe in the first four months in which pages read in march is not reflected. Find what percent of pages were read in march if she read 250 pages at total?

- A) 7
- B) 14
- C) 35
- D) 45
- E) 70

ANSWER: B



- 15) People living in a town were asked about their favorite fruit and a circle chart was created accordingly. 7650 of this people said that their favorite fruit was orange. In this case how many people said that they love figs?

- A) 5 525
- B) 6 525
- C) 7 225
- D) 10 225
- E) 10 200

ANSWER: E

