

Neudesic Aptitude Test Questions

Q1. Some birds are sitting in an oak tree. Ten more birds land. More birds arrive until there are a total of four times as many birds as the oak tree had after the ten landed. A nearby maple tree has sixteen fewer than twelve times as many birds as the oak tree had after the ten landed. If both trees now have the same number of birds, how many birds were originally in the oak tree before the first 10 landed?

- a) 4
- b) 7
- c) 16
- d) 24

Q2. Scott starts jogging from point X to point Y. A half-hour later his friend Garrett who jogs 1 mile per hour slower than twice Scotts rate starts from the same point and follows the same path. If Garrett overtakes Scott in 2 hours, how many miles will Garrett have covered?

- a) $11/5$
- b) $10/3$
- c) 4
- d) 6
- e) $20/3$

Q3. $AB + CD = AAA$, where AB and CD are two-digit numbers and AAA is a three digit number; A, B, C, and D are distinct positive integers. In the addition problem above, what is the value of C?

- a) 1
- b) 3
- c) 7
- d) 9
- e) Cannot be determined

Q4. The length of a rectangle is 25 m more than its breadth. If its length is decreased by 15 m and its breadth is increased by 10 m, it would become a square. Find its perimeter (in m).

- a) 70
- b) 30
- c) 190
- d) None of the Above

Q5. In the square above, $12w = 3x = 4y$. What fractional part of the square is shaded?

- a) $\frac{2}{3}$
- b) $\frac{14}{25}$
- c) $\frac{5}{9}$
- d) $\frac{11}{25}$
- e) $\frac{3}{7}$

Q6. If x and y are distinct negative integers greater than -10 , what is the greatest possible product of x and y ?

- a) 2
- b) 4
- c) 72
- d) 81
- e) 90

Q7. $2 - (5 - 33[4 \div 2 + 1]) =$

- a) -21
- b) 32
- c) 45
- d) 60
- e) 78

Q8. A and B are standing in a queue. A is 18th from the front and B is 11th from the back. If there are 5 persons standing between A and B, then how many persons are standing in the queue?

- a) 34
- b) 22
- c) 28
- d) Cannot be determined

Q9. Except for the first two numbers, every number in the sequence -1, 3, -3 --- is the product of the two immediately preceding numbers. How many numbers of this sequence are odd?

- a) One
- b) Two
- c) Three
- d) Four
- e) None of the Above

Q10. What is the maximum number of 3 x 3 squares that can be formed from the squares in the 6 x 6 checker board?

- a) 4
- b) 6
- c) 12
- d) 16