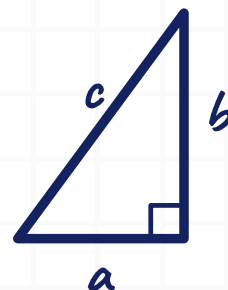
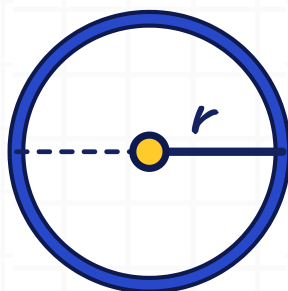


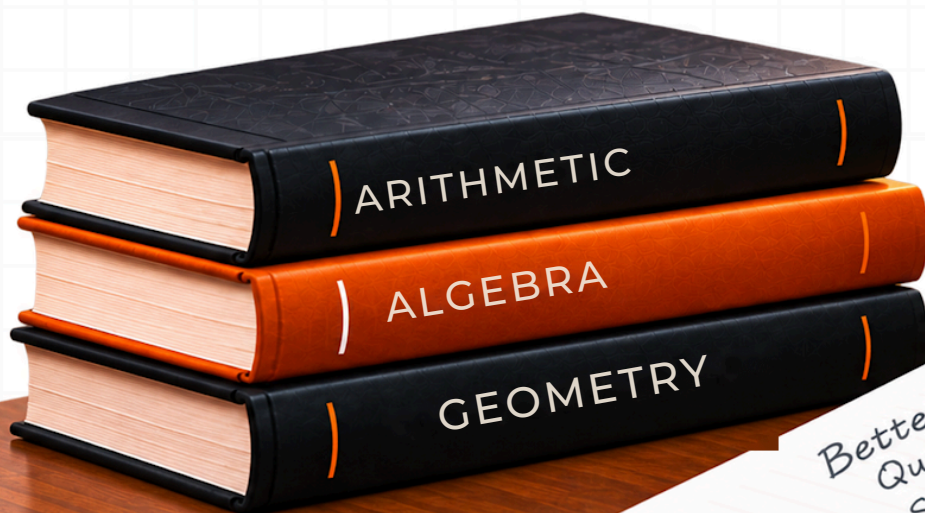
CAT PYQ

Number Properties

$$a^2 + b^2 = c^2$$



$$D = S \times T$$



Better
Questions
Stronger
Concepts
Brighter Future

Number Properties CAT PYQ



Common Admission Test - Indian Institutes of Management

75 Questions

Quantitative Aptitude

Years: 1990-2025

General Instructions

- (i) This collection contains **75 Quantitative Aptitude questions** classified under **Number Properties**, following the supplied CD PYQ sheet.
- (ii) **Coverage:** CAT 1990-2025. Questions are grouped by their source year and sitting, with continuous numbering from **1 to 75**.
- (iii) This collection has **57 multiple choice questions (MCQs)** and **18 Type In The Answer (TITA) questions**. Read every option before choosing the answer. Enter a response for questions marked "Type in the answer."
- (iv) All required shared passages and data sets for the selected questions are included. Blue range labels refer to the question numbers **in this collection**. Read the full passage, chart, table or conditions before answering.
- (v) Each question carries its original year or exam date, sitting where available, and source question number. References distinguish the two CAT 2003 sittings.
- (vi) Use this collection for practice. Follow the timing and marking scheme of the original sitting when attempting a timed exercise.
- (vii) Answer keys and solutions are not included. Passages and questions may continue onto the following page.

CAT 2025 Slot 1 - Questions 1-1

1. In a 3-digit number N , the digits are non-zero and distinct such that none of the digits is a perfect square, and only one of the digits is a prime number. Then, the number of factors of the minimum possible value of N is

30 Nov 2025, Slot 1, Q49

Type in the answer.

CAT 2025 Slot 2 - Questions 2-2

2. Suppose a, b, c are three distinct natural numbers, such that $3ac = 8(a + b)$. Then, the smallest possible value of $3a + 2b + c$ is

30 Nov 2025, Slot 2, Q56

Type in the answer.

CAT 2025 Slot 3 - Questions 3-3

3. The sum of all the digits of the number $(10^{50} + 10^{25} - 123)$, is

30 Nov 2025, Slot 3, Q57

(A) 212

(B) 221

(C) 324

(D) 255

CAT 2024 Slot 1 - Questions 4-5

4. For any natural number n let a_n be the largest integer not exceeding $\sqrt{n}$. Then the value of $a_1 + a_2 + \dots + a_{50}$ is

24 Nov 2024, Slot 1, Q54

Type in the answer.

5. The sum of all four-digit numbers that can be formed with the distinct non-zero digits a, b, c , and d , with each digit appearing exactly once in every number, is $153310 + n$, where n is a single digit natural number. Then, the value of $(a + b + c + d + n)$ is

24 Nov 2024, Slot 1, Q56

Type in the answer.

CAT 2024 Slot 2 - Questions 6-6

6. If m and n are natural numbers such that $n > 1$, and $m^n = 2^{25} \times 3^{40}$, then $m - n$ equals

24 Nov 2024, Slot 2, Q61

(A) 209932

(B) 209937

(C) 209942

(D) 209947

CAT 2024 Slot 3 - Questions 7-7

7. The number of all positive integers up to 500 with non-repeating digits is

24 Nov 2024, Slot 3, Q67

Type in the answer.

CAT 2023 Slot 1 - Questions 8-8

8. Let n be the least positive integer such that 168 is a factor of 1134^n . If m is the least positive integer such that 1134^n is a factor of 168^m , then $m + n$ equals

26 Nov 2023, Slot 1, Q45

- | | |
|--------|--------|
| (A) 9 | (B) 15 |
| (C) 12 | (D) 24 |
-

CAT 2023 Slot 2 - Questions 9-10

9. Let a , b , m and n be natural numbers such that $a > 1$ and $b > 1$. If $a^m b^n = 144^{145}$, then the largest possible value of $n - m$ is

26 Nov 2023, Slot 2, Q45

(A) 580

(B) 290

(C) 289

(D) 579

10. The number of positive integers less than 50, having exactly two distinct factors other than 1 and itself, is

26 Nov 2023, Slot 2, Q49

Type in the answer.

CAT 2023 Slot 3 - Questions 11-12

11. Let n and m be two positive integers such that there are exactly 41 integers greater than 8^m and less than 8^n , which can be expressed as powers of 2. Then, the smallest possible value of $n + m$ is

26 Nov 2023, Slot 3, Q46

- (A) 42 (B) 44
(C) 14 (D) 16
-

12. The sum of the first two natural numbers, each having 15 factors (including 1 and the number itself), is

26 Nov 2023, Slot 3, Q50

Type in the answer.

CAT 2022 Slot 1 - Questions 13-14

13. Let A be the largest positive integer that divides all the numbers of the form $3^k + 4^k + 5^k$, and B be the largest positive integer that divides all the numbers of the form $4^k + 3(4^k) + 4^{k+2}$, where k is any positive integer. Then (A + B) equals

27 Nov 2022, Slot 1, Q52

Type in the answer.

14. For natural numbers x, y, and z, if $xy + yz = 19$ and $yz + xz = 51$, then the minimum possible value of xyz is

27 Nov 2022, Slot 1, Q63

Type in the answer.

CAT 2022 Slot 2 - Questions 15-15

15. For some natural number n , assume that $(15,000)!$ is divisible by $(n!)!$. The largest possible value of n is

27 Nov 2022, Slot 2, Q59

- | | |
|-------|-------|
| (A) 4 | (B) 7 |
| (C) 6 | (D) 5 |
-

CAT 2022 Slot 3 - Questions 16-17

16. A school has less than 5000 students and if the students are divided equally into teams of either 9 or 10 or 12 or 25 each, exactly 4 are always left out. However, if they are divided into teams of 11 each, no one is left out. The maximum number of teams of 12 each that can be formed out of the students in the school is

27 Nov 2022, Slot 3, Q61

Type in the answer.

17. A donation box can receive only cheques of ₹100, ₹250, and ₹500. On one good day, the donation box was found to contain exactly 100 cheques amounting to a total sum of ₹15250. Then, the maximum possible number of cheques of ₹500 that the donation box may have contained, is

27 Nov 2022, Slot 3, Q63

Type in the answer.

CAT 2020 Slot 1 - Questions 18-20

18. How many 3-digit numbers are there, for which the product of their digits is more than 2 but less than 7?

29 Nov 2020, Slot 1, Q53

Type in the answer.

19. Among 100 students, x_1 have birthdays in January, x_2 have birthdays in February, and so on. If $x_0 = \max(x_1, x_2, \dots, x_{12})$, then the smallest possible value of x_0 is

29 Nov 2020, Slot 1, Q60

- | | |
|--------|--------|
| (A) 8 | (B) 9 |
| (C) 10 | (D) 12 |
-

20. The mean of all 4-digit even natural numbers of the form 'aabb', where $a > 0$, is

29 Nov 2020, Slot 1, Q70

- | | |
|----------|----------|
| (A) 4466 | (B) 5050 |
| (C) 4864 | (D) 5544 |
-

CAT 2020 Slot 2 - Questions 21-22

21. How many 4-digit numbers, each greater than 1000 and each having all four digits distinct, are there with 7 coming before 3?

29 Nov 2020, Slot 2, Q57

Type in the answer.

22. The number of pairs of integers (x, y) satisfying $x \geq y \geq -20$ and $2x + 5y = 99$

29 Nov 2020, Slot 2, Q68

Type in the answer.

CAT 2020 Slot 3 - Questions 23-24

23. How many integers in the set $\{100, 101, 102, \dots, 999\}$ have at least one digit repeated?

29 Nov 2020, Slot 3, Q60

Type in the answer.

24. Let N , x and y be positive integers such that $N = x + y$, $2 < x < 10$ and $14 < y < 23$. If $N > 25$, then how many distinct values are possible for N ?

29 Nov 2020, Slot 3, Q67

Type in the answer.

CAT 2017 Slot 1 - Questions 25-25

25. If a, b, c , and d are integers such that $a + b + c + d = 30$ then the minimum possible value of $(a - b)^2 + (a - c)^2 + (a - d)^2$ is

26 Nov 2017, Slot 1, Q94

Type in the answer.

CAT 2017 Slot 2 - Questions 26-27

26. If the product of three consecutive positive integers is 15600 then the sum of the squares of these integers is

26 Nov 2017, Slot 2, Q87

- (A) 1777 (B) 1785
(C) 1875 (D) 1877

27. How many different pairs(a,b) of positive integers are there such that $a \geq b$ and $\frac{1}{a} + \frac{1}{b} = \frac{1}{9}$?

26 Nov 2017, Slot 2, Q94

Type in the answer.

CAT 2008 - Questions 28-31

28. The integers 1, 2, ..., 40 are written on a blackboard. The following operation is then repeated 39 times: In each repetition, any two numbers, say a and b , currently on the blackboard are erased and a new number $a + b - 1$ is written. What will be the number left on the board at the end?

16 Nov 2008, Q1

- (A) 820 (B) 821
(C) 781 (D) 819
(E) 780

29. What are the last two digits of 7^{2008} ?

16 Nov 2008, Q2

- (A) 21 (B) 61
(C) 01 (D) 41
(E) 81

30. Suppose, the seed of any positive integer n is defined as follows: $\text{seed}(n) = n$, if $n < 10$ $\text{seed}(n) = \text{seed}(s(n))$, otherwise, where $s(n)$ indicates the sum of digits of n . For example, $\text{seed}(7) = 7$, $\text{seed}(248) = \text{seed}(2 + 4 + 8) = \text{seed}(14) = \text{seed}(1 + 4) = \text{seed}(5) = 5$ etc. How many positive integers n , such that $n < 500$, will have $\text{seed}(n) = 9$?

16 Nov 2008, Q12

- (A) 39 (B) 72
(C) 81 (D) 108
(E) 55

31. Three consecutive positive integers are raised to the first, second and third powers respectively and then added. The sum so obtained is perfect square whose square root equals the total of the three original integers. Which of the following best describes the minimum, say m , of these three integers?

16 Nov 2008, Q23

- (A) $1 \leq m \leq 3$ (B) $4 \leq m \leq 6$
(C) $7 \leq m \leq 9$ (D) $10 \leq m \leq 12$
(E) $13 \leq m \leq 15$

32. Consider four digit numbers for which the first two digits are equal and the last two digits are also equal. How many such numbers are perfect squares?

18 Nov 2007, Q18

- | | |
|-------|-------|
| (A) 3 | (B) 2 |
| (C) 4 | (D) 0 |
| (E) 1 | |
-

33. The sum of four consecutive two-digit odd numbers, when divided by 10, becomes a perfect square. Which of the following can possibly be one of these four numbers?

19 Nov 2006, Q66

- | | |
|--------|--------|
| (A) 21 | (B) 25 |
| (C) 41 | (D) 67 |
| (E) 73 | |
-

34. The number of employees in Obelix Menhir Co. is a prime number and is less than 300. The ratio of the number of employees who are graduates and above, to that of employees who are not, can possibly be:

19 Nov 2006, Q68

- | | |
|-------------|------------|
| (A) 101:88 | (B) 87:100 |
| (C) 110:111 | (D) 85:98 |
| (E) 97:84 | |
-

CAT 2005 - Questions 35-36

35. The rightmost non-zero digit of the number 30^{2720} is

20 Nov 2005, Q16

- | | |
|-------|-------|
| (A) 1 | (B) 3 |
| (C) 7 | (D) 9 |
-

36. For a positive integer n , let P_n denote the product of the digits of n , and S_n denote the sum of the digits of n . The number of integers between 10 and 1000 for which $P_n + S_n = n$ is

20 Nov 2005, Q19

- | | |
|--------|--------|
| (A) 81 | (B) 16 |
| (C) 18 | (D) 9 |
-

CAT 2004 - Questions 37-38

37. Suppose n is an integer such that the sum of digits on n is 2, and $10^{10} < n < 10^{11}$. The number of different values of n is

21 Nov 2004, Q45

- | | |
|--------|--------|
| (A) 11 | (B) 10 |
| (C) 9 | (D) 8 |
-

38. The total number of integers pairs (x, y) satisfying the equation $x + y = xy$ is

21 Nov 2004, Q58

- | | |
|-------|-----------------------|
| (A) 0 | (B) 1 |
| (C) 2 | (D) None of the above |
-

Questions 39 to 41

Directions for Questions 39 to 41: Answer the questions on the basis of the information given below.

The seven basic symbols in a certain numeral system and their respective values are as follows:

I = 1, V = 5, X = 10, L = 50, C = 100, D = 500 and M = 1000

In general, the symbols in the numeral system are read from left to right, starting with the symbol representing the largest value; the same symbol cannot occur continuously more than three times; the value of the numeral is the sum of the values of the symbols. For example, XXVII = $10 + 10 + 5 + 1 + 1 = 27$. An exception to the left-to-right reading occurs when a symbol is followed immediately by a symbol of greater value; then the smaller value is subtracted from the larger. For example, XLVI = $(50 - 10) + 5 + 1 = 46$.

39. The value of the numeral MDCCLXXXVII is

15 Feb 2004, CAT 2003 Re-test, Q51

- | | |
|----------|----------|
| (A) 1687 | (B) 1787 |
| (C) 1887 | (D) 1987 |

40. The value of the numeral MCMXCIX is

15 Feb 2004, CAT 2003 Re-test, Q52

- | | |
|----------|----------|
| (A) 1999 | (B) 1899 |
| (C) 1989 | (D) 1889 |

41. Which of the following represent the numeral for 1995? I. MCMLXXV II. MCMXCV III. MVD IV. MVM

15 Feb 2004, CAT 2003 Re-test, Q53

- | | |
|--------------------|---------------------|
| (A) Only I and II | (B) Only III and IV |
| (C) Only II and IV | (D) Only IV |

42. Using only 2, 5, 10, 25, and 50 paise coins, what will be the minimum number of coins required to pay exactly 78 paise, 69 paise and Rs. 1.01 to three different persons?

15 Feb 2004, CAT 2003 Re-test, Q71

- | | |
|--------|--------|
| (A) 19 | (B) 20 |
| (C) 17 | (D) 18 |

43. Consider the sets $T_n = \{n, n + 1, n + 2, n + 3, n + 4\}$, where $n = 1, 2, 3, \dots, 96$. How many of these sets contain 6 or any integral multiple thereof (i.e. any one of the numbers 6, 12, 18, ...)?

15 Feb 2004, CAT 2003 Re-test, Q80

- | | |
|--------|--------|
| (A) 80 | (B) 81 |
| (C) 82 | (D) 83 |

44. Let $n (>1)$ be a composite integer such that $\sqrt{n}$ is not an integer. Consider the following statements:
A: n has a perfect integer-valued divisor which is greater than 1 and less than $\sqrt{n}$ B: n has a perfect

integer-valued divisor which is greater than $\sqrt{n}$ but less than n

15 Feb 2004, CAT 2003 Re-test, Q86

- | | |
|------------------------------|------------------------------|
| (A) Both A and B are false | (B) A is true but B is false |
| (C) A is false but B is true | (D) Both A and B are true |
-

45. If a , $a + 2$ and $a + 4$ are prime numbers, then the number of possible solutions for a is

15 Feb 2004, CAT 2003 Re-test, Q91

- | | |
|-----------|---------------------|
| (A) one | (B) two |
| (C) three | (D) more than three |
-

46. Let x and y be positive integers such that x is prime and y is composite. Then,

15 Feb 2004, CAT 2003 Re-test, Q99

- | | |
|---|------------------------------------|
| (A) $y - x$ cannot be an even integer | (B) xy cannot be an even integer |
| (C) $\frac{(x + y)}{x}$ cannot be an even integer | (D) None of these |
-

CAT 2003 Original sitting (23 Nov 2003) - Questions 47-48

47. The number of positive integers n in the range $12 \leq n \leq 40$ such that the product $(n-1) \cdot (n-2) \cdot \dots \cdot 3 \cdot 2 \cdot 1$ is not divisible by n is

23 Nov 2003, CAT 2003 Original sitting, Q149

- | | |
|--------|--------|
| (A) 5 | (B) 7 |
| (C) 13 | (D) 14 |
-

48. Let T be the set of integers $\{3, 11, 19, 27, \dots, 451, 459, 467\}$ and S be a subset of T such that the sum of no two elements of S is 470. The maximum possible number of elements in S is

23 Nov 2003, CAT 2003 Original sitting, Q150

- | | |
|--------|--------|
| (A) 32 | (B) 28 |
| (C) 29 | (D) 30 |
-

CAT 2002 - Questions 49-51

49. Two boys are playing on a ground. Both the boys are less than 10 years old. Age of the younger boy is equal to the cube root of the product of the age of the two boys. If we place the digit representing the age of the younger boy to the left of the digit representing the age of the elder boy, we get the age of father of the younger boy. Similarly, if we place the digit representing the age of the elder boy to the left of the digit representing the age of the younger boy and divide the figure by 2, we get the age of mother of the younger boy. The mother of the younger boy is younger to his father by 3 years. Then, what is the age of the younger boy?

CAT 2002, Q5

- (A) 3 (B) 4
(C) 2 (D) None of these
-

50. Number S is obtained by squaring the sum of digits of a two-digit number D. If difference between S and D is 27, then the two-digit number D is

CAT 2002, Q62

- (A) 24 (B) 54
(C) 34 (D) 45
-

51. If u, v, w and m are natural numbers such that $u^m + v^m = w^m$, then which one of the following is true?

CAT 2002, Q91

- (A) $m \geq \min(u, v, w)$ (B) $m \geq \max(u, v, w)$
(C) $m < \min(u, v, w)$ (D) None of these
-

CAT 2001 - Questions 52-56

52. Let x , y and z be distinct integers. x and y are odd and positive, and z is even and positive. Which one of the following statements cannot be true?

CAT 2001, Q3

- (A) $y(x - z)^2$ is even
(B) $y^2(x - z)$ is odd
(C) $y(x - z)$ is odd
(D) $z(x - y)^2$ is even
-

53. Of 128 boxes of oranges, each box contains at least 120 and at most 144 oranges. X is the maximum number of boxes containing the same number of oranges. What is the minimum value of X ?

CAT 2001, Q6

- (A) 5
(B) 103
(C) 6
(D) Cannot be determined
-

54. If 09/12/2001(DD/MM/YYYY) happens to be Sunday, then 09/12/1971 would have been a

CAT 2001, Q18

- (A) Wednesday
(B) Tuesday
(C) Saturday
(D) Thursday
-

55. Let b be a positive integer and $a = b^2 - b$. If $b \geq 4$, then $a^2 - 2a$ is divisible by

CAT 2001, Q42

- (A) 15
(B) 20
(C) 24
(D) All of these
-

56. Ashish is given Rs. 158 in one-rupee denominations. He has been asked to allocate them into a number of bags such that any amount required between Re 1 and Rs. 158 can be given by handing out a certain number of bags without opening them. What is the minimum number of bags required?

CAT 2001, Q43

- (A) 11
(B) 12
(C) 13
(D) None of these
-

CAT 2000 - Questions 57-60

57. Let D be recurring decimal of the form, $D = 0.a_1a_2a_1a_2a_1a_2\dots$, where digits a_1 and a_2 lie between 0 and 9. Further, at most one of them is zero. Then which of the following numbers necessarily produces an integer, when multiplied by D ?

CAT 2000, Q56

- (A) 18 (B) 108
(C) 198 (D) 288

58. Let x , y and z be distinct integers, that are odd and positive. Which one of the following statements cannot be true?

CAT 2000, Q65

- (A) xyz^2 is odd (B) $(x - y)^2z$ is even
(C) $(x + y - z)^2(x + y)$ is even (D) $(x - y)(y + z)(x + y - z)$ is odd

59. Let S be the set of prime numbers greater than or equal to 2 and less than 100. Multiply all the elements of S . With how many consecutive zeroes will the product end?

CAT 2000, Q66

- (A) 1 (B) 4
(C) 5 (D) 10

60. Each of the numbers $x_1, x_2, \dots, x_n$ ($n > 4$), is equal to 1 or -1. Suppose,
 $x_1x_2x_3x_4 + x_2x_3x_4x_5 + x_3x_4x_5x_6 + \dots + x_{n-3}x_{n-2}x_{n-1}x_nx_1 + x_{n-1}x_nx_1x_2 + x_nx_1x_2x_3 = 0$, then:

CAT 2000, Q70

- (A) n is even (B) n is odd
(C) n is an odd multiple of 3 (D) n is prime

CAT 1999 - Questions 61-62

61. If $n = 1 + x$, where x is the product of four consecutive positive integers, then which of the following is/are true? A. n is odd B. n is prime C. n is a perfect square

CAT 1999, Q65

(A) A and C only

(B) A and B only

(C) A only

(D) None of these

62. If $n^2 = 123456787654321$, what is n ?

CAT 1999, Q70

(A) 12344321

(B) 1235789

(C) 11111111

(D) 1111111

CAT 1998 - Questions 63-63

63. n^3 is odd. Which of the following statement(s) is/are true? I. n is odd. II. n^2 is odd. III. n^2 is even.

CAT 1998, Q52

(A) I only

(B) II only

(C) I and II

(D) I and III

CAT 1997 - Questions 64-65

64. If n is an integer, how many values of n will give an integral value of $\frac{(16n^2 + 7n + 6)}{n}$?

CAT 1997, Q111

- (A) 2
(B) 3
(C) 4
(D) None of these
-

65. ABC is a three-digit number in which $A > 0$. The value of ABC is equal to the sum of the factorials of its three digits. What is the value of B?

CAT 1997, Q131

- (A) 9
(B) 7
(C) 4
(D) 2
-

CAT 1996 - Questions 66-67

66. If n is any odd number greater than 1, then $n(n^2 - 1)$ is

CAT 1996, Q118

- (A) divisible by 96 always (B) divisible by 48 always
(C) divisible by 24 always (D) None of these

67. Find the value of $\frac{1}{1 + \frac{1}{3 - \frac{4}{2 + \frac{1}{3 - \frac{1}{2}}}}} + \frac{3}{3 - \frac{4}{3 + \frac{1}{2 - \frac{1}{2}}}}$

CAT 1996, Q127

- (A) $\frac{13}{7}$ (B) $\frac{15}{7}$
(C) $\frac{11}{21}$ (D) $\frac{17}{28}$

68. $2^{73} - 2^{72} - 2^{71}$ is the same as

CAT 1991, Q70

- (A) 2^{69} (B) 2^{70}
(C) 2^{71} (D) 2^{72}

69. x, y and z are three positive integers such that $x > y > z$. Which of the following is closest to the product xyz ?

CAT 1991, Q82

- (A) $(x-1)yz$ (B) $x(y-1)z$
(C) $xy(z-1)$ (D) $x(y+1)z$

70. A calculator has two memory buttons, A and B. Value 1 is initially stored in both memory locations. The following sequence of steps is carried out five times: add 1 to B multiply A to B store the result in A. What is the value stored in memory location A after this procedure?

CAT 1991, Q87

- (A) 120 (B) 450
(C) 720 (D) 250

71. A positive integer is said to be a prime number if it is not divisible by any positive integer other than itself and 1. Let p be a prime number greater than 5. Then $(p^2 - 1)$ is

CAT 1991, Q97

- (A) never divisible by 6
(B) always divisible by 6, and may or may not be divisible by 12.
(C) always divisible by 12, and may or may not be divisible by 24.
(D) always divisible by 24.

72. To decide whether a number of n digits is divisible by 7, we can define a process by which its magnitude is reduced as follows: ($i_1, i_2, i_3, \dots$ are the digits of the number, starting from the most significant digit). $i_1 i_2 \dots i_n \Rightarrow i_1 \cdot 3^{n-1} + i_2 \cdot 3^{n-2} + \dots + i_n \cdot 3^0$. e.g. $259 \Rightarrow 2 \cdot 3^2 + 5 \cdot 3^1 + 9 \cdot 3^0 = 18 + 15 + 9 = 42$. Ultimately the resulting number will be seven after repeating the above process a certain number of times. After how many such stages, does the number 203 reduce to 7?

CAT 1991, Q98

- (A) 2 (B) 3
(C) 4 (D) 1

CAT 1990 - Questions 73-75

73. There were 'x' pigeons and 'y' mynahs in a cage. One fine morning, 'p' birds escaped to freedom. The bird-keeper, knowing only that $p = 7$, was able to figure out without looking into the cage that at least one pigeon had escaped. Which of the following does not represent a possible (x,y) pair?

CAT 1990, Q11

- (A) (10,8) (B) (7,2)
(C) (25,6) (D) (12,4)

74. Mr X enters a positive integer $Y(>1)$ in an electronic calculator and then goes on pressing the square root key repeatedly. Then

CAT 1990, Q13

- (A) The display does not stabilize
(B) The display becomes closer to 0
(C) The display becomes closer to 1
(D) May not be true and the answer depends on the choice of Y

75. If n is any positive integer, then $n^3 - n$ is divisible

CAT 1990, Q23

- (A) Always by 12 (B) Never by 12
(C) Always by 6 (D) Never by 6

- End of PYQ Collection -