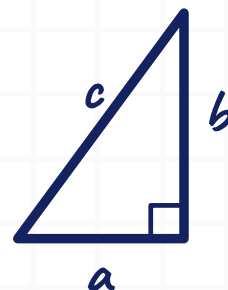
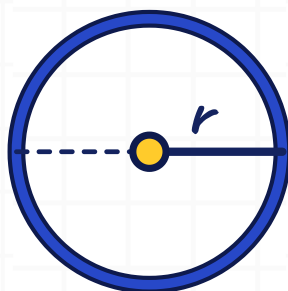


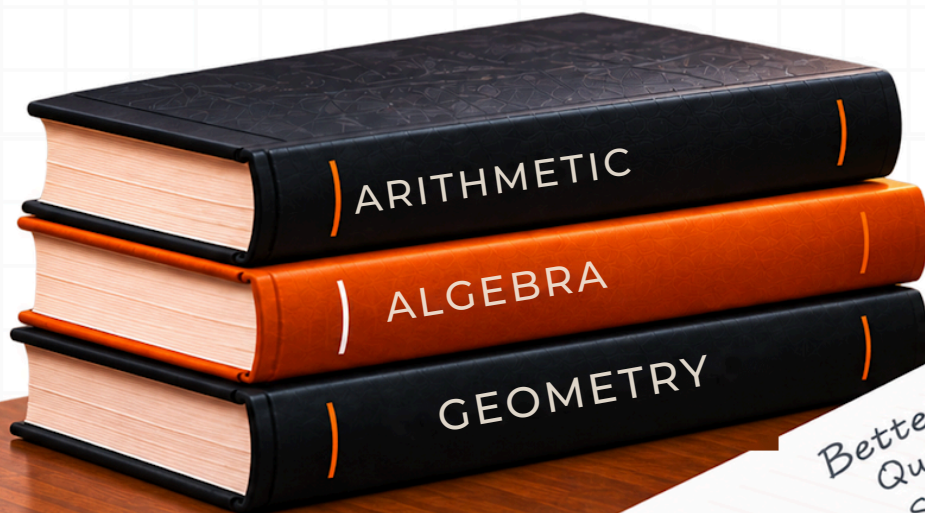
CAT PYQ

Probability

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



$$D = S \times T$$



Better
Questions
Stronger
Concepts
Brighter Future

4 Questions

Quantitative Aptitude

Years: 1990-1993

General Instructions

- (i) This collection contains **4 Quantitative Aptitude questions** classified under **Probability**, following the supplied CD PYQ sheet.
- (ii) **Coverage:** CAT 1990-1993. Questions are grouped by their source year and sitting, with continuous numbering from **1 to 4**.
- (iii) This collection has **4 multiple choice questions (MCQs)**. Read every option before choosing the answer.
- (iv) Original mathematical expressions, question wording and option order are retained. Use the diagrams and data provided with each question.
- (v) Each question carries its original year or exam date, sitting where available, and source question number.
- (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 1993 - Questions 1-2

1. There are ten 50 paise coins placed on a table. Six of these show tails four show heads. A coin is chosen at random and flipped over (not tossed). This operation is performed seven times. One of the coins is then covered. Of the remaining nine coins, five show tails and four show heads. The covered coin shows

CAT 1993, Q64

- | | |
|------------------------|------------------------|
| (A) a head | (B) a tail |
| (C) more likely a head | (D) more likely a tail |
-

2. A box contains 6 red balls, 7 green balls and 5 blue balls. Each ball is of a different size. The probability that the red ball selected is the smallest red ball, is

CAT 1993, Q77

- | | |
|------------|-----------|
| (A) $1/18$ | (B) $1/3$ |
| (C) $1/6$ | (D) $2/3$ |
-

CAT 1991 - Questions 3-3

3. A player rolls a die and receives the same number of rupees as the number of dots on the face that turns up. What should the player pay for each roll if he wants to make a profit of one rupee per throw of the die in the long run?

CAT 1991, Q77

(A) Rs. 2.50

(B) Rs. 2

(C) Rs.3.50

(D) Rs. 4

CAT 1990 - Questions 4-4

4. If equal numbers of people are born on each day, find the approximate percentage of the people whose birthday will fall on 29th February. If we are to consider people born in 20th century (1901-2000) and assuming no deaths.

CAT 1990, Q48

(A) 0.374

(B) 0.5732

(C) 0.0664

(D) None of these

- End of PYQ Collection -
