ONE PAGE SUMMARY

Competitive Exams › Higher Education Entrance Exams › CAT / IIFT

Quantitative Ability

Master Quantitative Ability for CAT/IIFT Success!

DEFINITION

> Quantitative Ability (QA) tests mathematical skills and problem-solving abilities essential for management studies. It includes topics like arithmetic, algebra, and geometry.

KEY CONCEPTS

Arithmetic

Focuses on basic operations, percentages, ratios, and averages, forming the foundation of QA.

Algebra

Involves solving equations, inequalities, and understanding functions, crucial for advanced problem-solving.

Geometry

Covers properties of shapes, areas, volumes, and theorems, essential for spatial reasoning.

Data Interpretation

Involves analyzing graphs, charts, and tables to extract meaningful information and make decisions.

Number Systems

Includes understanding integers, fractions, decimals, and their properties, vital for calculations.

EXAMPLES

→ What is 25% of 200?

→ Solve for x: 2x + 3 = 11.

→ Find the area of a triangle with base 10 and height 5.

MEMORY TIPS

★ Remember 'PEMDAS' for order of operations: Parentheses, Exponents, Multiplication, Division, Addition, Subtraction.

★ Use 'SOHCAHTOA' for trigonometric ratios: Sine, Cosine, Tangent.

★ For percentages, think of 'part over whole equals percent over 100'.

COMMON MISTAKES

✗ Neglecting to read the question carefully, leading to misinterpretation.

✗ Rushing calculations, resulting in simple arithmetic errors.

✗ Ignoring units of measurement, causing incorrect answers.

QUICK RECAP

Quantitative Ability is crucial for CAT/IIFT, focusing on arithmetic, algebra, and geometry. Practice problems regularly and review key concepts to enhance your skills.