



The questions assume concepts outlined in earlier papers. They increase in complexity throughout the paper and encourage the use of higher-order thinking skills.

PAPER F



NUMBER & ARITHMETIC

ALGEBRA & PATTERNS

MEASURES & UNITS

SPACE & GEOMETRY

STATISTICS & PROBABILITY

Questions may require students to:

NUMBER

- use index notation
- represent numbers as product of primes
- find squares and square roots
- compare and order integers and unrelated fractions
- round decimals

ARITHMETIC

- use order of operations with integers and unrelated fractions
- solve ratio problems
- express one quantity as a percentage or fraction of another

PATTERNS

- continue patterns involving powers, integers and unrelated fractions

PRE-ALGEBRA

ALGEBRA

- create and evaluate algebraic equations using substitution
- interpret authentic graphs and solve linear equations
- simplify expressions

MEASURES

MEASUREMENT

- use formulae to calculate areas of triangles and parallelograms
- calculate volumes of rectangular prisms

SPACE

- use simple bearings
- plot and identify co-ordinates in all four quadrants

SHAPE

- classify and use properties of triangles and quadrilaterals

GEOMETRY

- calculate angles between transversals and parallel lines
- use angle sum of quadrilaterals to solve problems

PROBABILITY

STATISTICS

- interpret and compare stem and leaf plots, and dot plots
- calculate mean, median, mode and range

LEARN MORE

ICAS Paper to Year Level Conversion Table www.eaa.unsw.edu.au/icas/paper-to-year-level-equivalent-table.asp