Study pointers, from an old final.

(1) Discussion question.

(2) Egyptian fractions

(3) Other methods of multiplication, addition, etc. besides the standard algorithms

(4) Logical thinking puzzles

(5) Pattern problem

(6) Pigeonhole principle

(7) Divisibility tests

(8) Other number systems besides base ten, and their history

(9) Ratio and proportion problems

(10) Venn diagrams and set theory: union, complement, intersection, how to categorize.

(11) Greatest common divisor, least common multiple

(12) Mental arithmetic and estimation

(13) Fractions, how to calculate with them, how to compare them

(14) Decimals (terminating, repeating, non-repeating), how to compare and calculate with them

(15) Algorithms for computation

(16) Properties of numbers (commutativity, associativity, distributive property, etc.)

(17) Poinsot stars, modular arithmetic

(18) Percentages and how to calculate them

(19) Functions, linear and exponential