

2022 年「學而思盃」P3 比賽大綱

本次比賽分為甲、乙、丙三部分。

甲部有 15 題，每題 2 分

乙部有 15 題，每題 4 分

丙部有 10 題，每題 6 分

比賽時間 60mins，共 40 題，滿分 150 分。

板塊	知識點
計算板塊	1. 整數加減乘除巧算 2. 提取公因數 3. 定義新運算 4. 位值原理 5. 除法四量關係
計數板塊	1. 數長方形/三角形 2. 整數分拆 3. 簡單加乘原理
應用題板塊	1. 和差問題 2. 年齡問題 3. 植樹問題 4. 還原問題 5. 歸一問題 6. 移多補少 7. 等量代換 8. 週期問題
圖形板塊	1. 周長面積綜合 2. 格點多邊形求面積
組合板塊	1. 加減法直式數字謎 2. 數陣圖 3. 邏輯推理

*英文版僅作參考，以中文版為準。

2022 「Think Mathematics Competition」 P3's Outline

The competition is divided into three parts: A, B and C.

Section A: 1st to 15th Question (Each carries 2 marks)

Section B: 16th to 30th Question (Each carries 4 marks)

Section C: 31th to 40th Question (Each carries 6 marks)

The time is 60mins, with a total of 40 questions and a full score of 150 marks.

Modules	Knowledge
Calculation Modules	<ol style="list-style-type: none"> 1. Operation strategy in multiplication and division of whole numbers 2. Extracting Common Factors 3. Defining New Operations 4. Applying Place Value Principle in Calculation 5. Relationship Between Dividend, Divisor, Quotient and Remainder in Division
Counting Modules	<ol style="list-style-type: none"> 1. Counting the Number of Figures 2. Splitting Whole Numbers 3. Law of Addition and Multiplication
Word Problem Modules	<ol style="list-style-type: none"> 1. Problems Involving Sum and Difference 2. Age Problems 3. Interval Problems 4. Inverse Operation Problems 5. Unitary Method Problems 6. Giving and Receiving 7. Equivalent Substitution 8. Periodic Problems
Geometry Modules	<ol style="list-style-type: none"> 1. Perimeter and Area 2. Pick's Theorem
Combinatorics	<ol style="list-style-type: none"> 1. Column Puzzles 2. Filling Numbers Games 3. Logical Reasoning

**English version is for reference only, the Chinese version shall prevail.*