2022 年「學而思盃」P1 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. 加減法巧算 2. 天平代換 3. 加、減法直式 4. 數與算符 5. 圖文代換
計數板塊	1. 數與數字 2. 平面圖形計數問題 3. 立體圖形計數 4. 枚舉法
應用題板塊	1. 排隊問題 2. 時間的計算 3. 加減法應用題 4. 移多補少應用題 5. 週期問題 6. 方向與坐標
圖形板塊	1. 線、角 2. 平面圖形的特徵 3. 軸對稱圖形 4. 立體圖形 5. 剪拼圖形 6. 測量長度
數論板塊	1. 數的拆分 2. 奇數與偶數
組合板塊	1. 數獨 2. 算式謎 3. 數陣圖 4. 圖形規律 5. 數列規律 6. 方格路徑 7. 邏輯推理問題

2022「*Think Mathematics Competition*」P1'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.

板塊	知識點
Calculation Modules	1. Addition and Subtraction of Whole Numbers 2. Substitution on the Balance 3. Addition/ Subtraction in Vertical Form 4. Operational Symbols 5. Object Substitution
Counting Modules	1. Numbers 2. Counting the Number of Figures 3. Counting Solid Figures 4. Enumeration
Word Problem Modules	1. Queuing Problems 2. Time Calculation 3. Applications of Addition and Subtraction 4. Giving and Receiving 5. Periodic Problems 6. Directions and Coordinates
Geometry Modules	1. Lines and Angles 2. Knowing Graphs 3. Symmetric Figures 4. 3-D Shapes 5. Cutting and Splicing 6. Measuring Length
Number Theory Modules	1. Decomposing and Splitting Whole Numbers 2. Odd and Even Numbers
Combinatorics	1. Sudoku 2. Filling Numbers in Calculations 3. Filling Numbers Games 4. Patterns of Figures 5. Patterns in Number Sequences 6. Arukone 7. Logical Reasoning