

2022 年學而思盃
三年級 - 樣卷
2022 「Think Mathematics Competition」
P3 - Sample Paper

學生姓名(Student Name) : _____

注意事項

- 1) 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。
 - 2) 請把每題答案寫在 **答題卷** 上，所有題目都需要完成。
 - 3) 所有題目均為填充題，只需直接寫下答案。
 - 4) 所有答案須以數字의 真確性表達，並化至最簡，不接受近似值。
 - 5) 請使用鉛筆、黑色原子筆或者藍色原子筆作答。
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Instructions

- 1) 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: 31st to 40th Question (Each carries 6 marks) . The time is 60mins, with a total of 40 questions and a full score of 150 marks.
- 2) Please write your answers neatly ONLY on the *Answer Sheet* provided, all questions need to be completed.
- 3) All questions are blank filling questions, just write the answer directly.
- 4) All answers must be in exact value and in its simplest form. Approximations are not accepted.
- 5) Please use a pencil, black ballpoint pen, or blue ballpoint pen to write down your answers.

甲部 – 第 1 題到第 15 題(共 15 題，每題 2 分，共 30 分)

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

1) 求以下算式的值。

Find the value of the following expression.

$$243 + 244 + 245 + 246 + 247 + 248 + 249 = \underline{\hspace{2cm}}$$

【答案】 1722

2) 求以下算式的值。

Find the value of the following expression.

$$1000 - 257 - 84 - 43 - 16 = \underline{\hspace{2cm}}$$

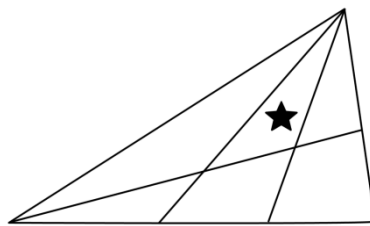
【答案】 600

乙部 – 第 16 題到第 30 題(共 15 題，每題 4 分，共 60 分)

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

16) 參考附圖，圖中共有_____多少個包含「★」的三角形。

Referring to the attached picture, there are _____ triangles with 「★」 are there in the picture.



第 16 題

Question 16

【答案】8

17) 一列數按照「5, 8, 7, 1, 8, 1, 9, 1, 5, 8, 7, 1, 8, 1, 9, 1, 5, 8, 7, 1, ……」排列，前 159 個數中有_____個「1」。

A column of numbers is arranged according to 「5, 8, 7, 1, 8, 1, 9, 1, 5, 8, 7, 1, 8, 1, 9, 1, 5, 8, 7, 1, ……」, the first 159 There are _____ 「1」 in the number.

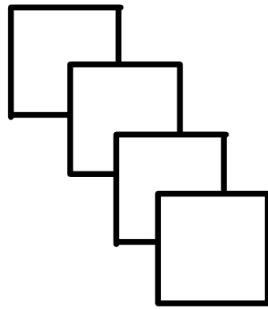
【答案】59

丙部 – 第 31 題到第 40 題(共 10 題，每題 6 分，共 60 分)

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

31) 將 10 張邊長為 10 厘米的正方形紙片，按順序一張一張地擺放在桌面，要求後擺的紙片必須有一個頂點與前一張紙片的中心重合（附圖已經擺好 4 張），請問 10 張紙片全部擺好後所得到的圖形的周界是_____厘米。

Place 10 square pieces of paper with a side length of 10 cm on the table one by one in sequence. It is required that the back piece of paper must have a vertex that coincides with the center of the previous piece of paper (4 pieces of paper have been placed in the picture), the perimeter of the figure obtained after all 10 pieces of paper are placed is _____ cm.



第 31 題

Question 31

【答案】220

~ 全卷完 ~

~ *End of Paper* ~