

學生姓名：_____ 班別：_____ 學號：_____ 聯絡電話：_____



香港數學奧林匹克學校
Hong Kong Mathematical Olympiad School

主辦

2025 第三十二屆香港小學數學奧林匹克比賽

- 注意事項：(1). 計算下列各題，用分數作答的必須約至最簡真分數，否則不給予分數。
(2). 答案必須清楚寫在答案欄內(不用列式)；答案欄外或模糊不清的將不給予分數。
(3). 全卷共 20 題，每題 1 分，全對才得分。

在下表中寫上 0 至 9，以便老師批改時核對你的字跡。

0	1	2	3	4	5	6	7	8	9

總分：

- $12 - 78 + 77 = ?$ 1. _____
- $72 - 18 \times 3 - 24 \div 6 = ?$ 2. _____
- 依規律，找出 () 內的數，2, 3, 4, 6, 8, (?), 16, 24。 3. _____
- 找出 © 的值
 $\text{©} + \text{©} = \infty + \infty + \infty$
 $\text{©} + \infty = 50$ 4. _____
- 找出 ◡ 的值。
 $\text{◡} \div 2 = \text{◡} - 58 + 2$ 5. _____
- $1 + 7 + 13 + 19 + \dots + 61 + 67 = ?$ 6. _____
- 四個數之和是 36，當中最大的數，減去其他三個數之和等於 0。這個最大的數是多少？ 7. _____
- 老師帶來一條長彩帶來佈置教室。學生們用剪刀在彩帶上剪了 6 刀，每一段的長度都是 20 厘米。這條彩帶原本最短是多少厘米？ 8. _____ 厘米
- 偉明離家後，先向正東方行了一段路，然後轉向正南方前往教堂。教堂在偉明家的哪個方向？ 9. _____

本頁分數：

10. 小芳在中文、英文和數學考試的平均分是 88 分。她的數學成績比中文少 10 分，英文成績比數學多 20 分。小芳的英文成績是多少分？ 10. _____ 分
11. 哥哥買了一個蛋糕，先把蛋糕切成 8 塊，把其中的 2 塊留給父母。剩下的蛋糕由姊姊、哥哥和我三人一起吃，每人吃相同份量的蛋糕。最後，蛋糕還剩下 3 塊。我吃了蛋糕多少塊？ 11. _____ 塊
12. 芬芬為同學們做蛋糕。做一個蛋糕需要 125 毫升牛奶和 20 毫升粟米油。班上有 32 名學生，每 4 名學生分享一個蛋糕。共需牛奶和粟米油多少毫升？ 12. _____ 毫升
13. 暑假期間，凱嵐計劃每天花 1 小時完成作業，持續 4 週。如果她想跟婆婆外遊 2 週，她每天需要比原來計劃多做幾小時？ 13. _____ 小時
14. 哥哥和弟弟的體重共 64 公斤。已知爸爸的體重是哥哥的兩倍，弟弟比哥哥輕 6 公斤。爸爸的體重是多少公斤？ 14. _____ 公斤
15. 珊珊早上從家裡到學校，需要 20 分鐘。但今天放學時，她回家的時間是早上到學校的兩倍。她在學校上課了 5 小時。她從家裡到學校上課再回到家共需多少時間？ 15. _____ 小時
16. A, B 和 C 參加長洲搶包山比賽，塔高 9 米。
• A. 每 3 米可摘 30 個平安包
• B. 每 2 米可摘 16 個平安包
• C. 每 1 米可摘 9 個平安包
誰摘下最少的平安包？ 16. _____
17. 一個長方形的禮堂內只有一個長方形的羽毛球場。羽毛球場的長是 15 米，寬是 10 米。在禮堂四周留了一圈 1 米寬的通道。這個禮堂的周界是多少米？ 17. _____ 米
18. 在學校的操場上，掛了一排不同國家的國旗。這排國旗依次序重複排列是馬來西亞、中國、印度、菲律賓和印尼。第 137 面國旗是哪個國家？ 18. _____
19. 李先生有一個長 15 米、寬 10 米的長方形農場，計劃圍上圍欄。他在農場的一個角落劃出了一個 4 米×3 米的停車位而不用圍欄。如果每米圍欄需 50 元，他安裝圍欄需多少元？ 19. _____ 元
20. 家朗在沙灘上掘一條 22 米長的水道，每 3 分鐘可以掘 6 米並需要休息 2 分鐘，在休息期間，海水會沖走 2 米的水道，完成這條水道他最少需要多少分鐘？ 20. _____ 分鐘

本頁分數：

~全卷完~

Name: _____ Class: _____ Student No.: _____ Phone No.: _____



香港數學奧林匹克學校
Hong Kong Mathematical Olympiad School

主辦

2025 The 32nd Hong Kong Primary Mathematical Olympiad

Remarks:

- (1). 1 mark for each question, total 20 marks. Each mark is only given to exactly right answer.
- (2). Write the answers in the space provided, otherwise the answer will not be marked.
- (3). Calculate the following questions. Answers expressed in fraction should be expressed in simplest form, otherwise will not be marked.

Write down 0 to 9 in the following table, to help the marker know your handwriting.

0	1	2	3	4	5	6	7	8	9

Marks:

1. $12 - 78 + 77 = ?$ 1. _____
2. $72 - 18 \times 3 - 24 \div 6 = ?$ 2. _____
3. According to the given pattern, find the value of the number inside the ().
2, 3, 4, 6, 8, (?), 16, 24. 3. _____
4. Find the value of ©.
© + © = ∞ + ∞ + ∞
© + ∞ = 50 4. _____
5. Find the value of ⬠.
⬠ ÷ 2 = ⬠ - 58 + 2 5. _____
6. $1 + 7 + 13 + 19 + \dots + 61 + 67 = ?$ 6. _____
7. The sum of four numbers is 36. Among these 4 numbers, the largest one minus the sum of the rest 3 numbers is equal to 0. What is this largest number? 7. _____
8. A teacher brings a long ribbon to decorate the classroom. Students cut the ribbon with scissors 6 times and the length of each piece is 20cm. What is the shortest length of the original ribbon? 8. _____ cm
9. When David left home, he first walked a certain distance due East, and then he turned to the South direction, approaching the church. What is the church direction from David's home? 9. _____

10. Mary's exam average between Chinese, English and Mathematics is 88 marks. Her Math score is 10 points less than that of a Chinese score. Her English score is 20 points more than that of her Math score. What is Mary's English score? 10. _____
11. My elder brother bought a cake. He divided the cake into 8 pieces and reserved 2 pieces for the parents. The remaining cake was shared between my elder sister, him and me and each of us ate the same amount of cake. Finally, there are 3 pieces of cake left. How many pieces of cake did I eat? 11. _____
12. Fanny makes cakes for her classmates. It needs 125ml of milk and 20ml of corn oil to make a cake. There are 32 students in the class and every 4 students share a cake. What is the total ml of milk and corn oil needed? 12. _____ ml
13. Wendy plans to spend one hour every day for 4 weeks completing her summer homework. If she wants to travel with her grandma for 2 weeks, how many additional hours does she need to spend per day compared with her original plan? 13. _____ h
14. The total weight of the elder and younger brother is 64 kilograms. It is given that father's weight is double that of elder brother's weight and younger brother's weight is 6 kilograms less than elder brother's weight. What is father's weight? 14. _____ kg
15. It takes Susan 20 minutes from home to school in the morning. However, when she is off school today, the time it takes for her to return home is 2 times the time it takes for her to go to school in the morning. She spent 5 hours at school. How much time does she spend outside in total before returning home from school? 15. _____ h
16. A, B and C attend the Cheung Chau Bun Scrambling Contest. The tower is 9m high.
A can take off 30 buns for every 3 m.
B can take off 16 buns for every 2 m.
C can take off 9 buns for every meter.
Who will take off the least number of buns? 16. _____
17. There is only one rectangular badminton court in a rectangular hall. The badminton court is 15m long and 10m wide. There is a 1m wide aisle around the hall. What is the perimeter of the hall? 17. _____ m
18. There is a row of flags from different countries in the playground of a school. These flags are arranged in a repeated order which is Malaysia, China, India, Philippines and Indonesia. What is the country of the 137th flag? 18. _____
19. Mr. Lee plans to put a fence around a 15m long and 10m wide rectangular farm. There is a 4m x 3m car park without fence at a corner of the farm. If every meter of fence costs \$50, what is the total cost to install the fence? 19. \$ _____
20. Peter digs a 22m long watercourse on a beach. Every 3 minutes he can dig 6m long and he needs a rest for 2 minutes. During each rest, 2m of watercourse will be washed away by water flow. How long will it take to complete this watercourse? 20. _____ min

~ End of paper ~