



香港資優數學協會

Hong Kong Gifted Mathematics Association

第十七屆
香港數學比賽
及資優解難挑戰盃

Hong Kong Mathematics
& Gifted Challenge Cup 2026

小學P5組

試題參考樣本

<https://www.hkgmc.org>



常規組

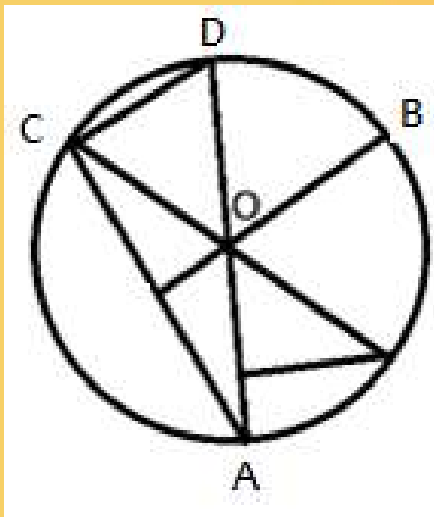
小學P5組

試題參考樣本



1. 下圖中，O是圓心。以下哪一條線並不是圓的半徑？

In the figure below, O is the centre of circle. Which of the following lines is not the radius?



A. OC

B. OA

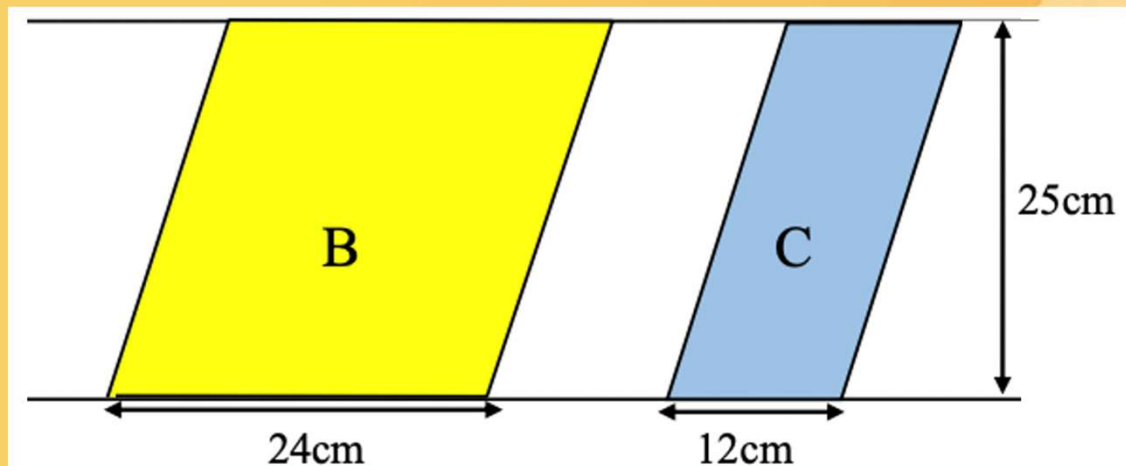
B. OB

D. CD



2. 下圖平行四邊形 B 的面積是平行四邊形 C 的多少倍?

How many times the area of the parallelogram B is the parallelogram C in the following figure?



- A. 3 B. 6 C. 1 D. 2



3. 有一個梯形的上底和下底不變，但高度增加3倍，新的梯形面積有怎樣的變化？

There is a trapezoid whose upper and lower bases remain unchanged, but its height increases 3 times. How does the area of the new trapezoid change?

- A. 增加2倍 (increase by 2 times)**
- B. 縮小2倍 (decrease by 2 times)**
- C. 增加3倍 (increase by 3 times)**
- D. 不變 (unchanged)**



4. 小明今年 9 歲，是哥哥年齡的三份之一，在 n 年之後，哥哥是多少歲？

Siu Ming is 9 years old this year, one-third of his brother's age. How old will his brother be after n years?

- A. $n + 3$
- B. $n + 27$
- C. $n + 9$
- D. $27 - n$



小學P5常規組-試題參考樣本

答案

1. D

2. D

3. C

4. B



資優組

小學P5組

試題參考樣本



1. 若 $A \# B = A \times B - (A + B)$, 求 $(8 \# 5) \# 4$ 的值。

Define a new operation $A \# B = A \times B - (A + B)$. Find the value of $(8 \# 5) \# 4$.

A. 55

B. 66

C. 77

D. 88



2. 一個六位數 $2025a6$ 能被 72 整除，求數字 a 的值。

A 6-digit number $2025a6$ is divisible by 72. Find the value of the digit a .

- A. 2
- B. 3
- C. 5
- D. 7



3. 修一條公路，甲隊單獨做需要 12 天，乙隊單獨做需要 15 天。現在兩隊合修，期間甲隊休息了 3 天，完成這項工程共用了多少天？

To construct a road, Team A needs 12 days alone, and Team B needs 15 days alone. If they work together, but Team A takes 3 days off during the project, how many days in total will it take to complete the project?

A. 8

B. 8.33

C. 11

D. 12.33



4. 一個長方體木塊，長、寬、高分別為 12cm、8cm、6cm。若將其切成邊長為 2cm 的小正方體，表面積總和增加了多少(cm^2)?

A rectangular block has dimensions 12cm x 8cm x 6cm. If it is cut into small cubes of side length 2cm, how much is the total surface area increased (in cm^2) ?

A. 1296

B. 1302

C. 1368

D. 1398



小學P5資優組-試題參考樣本

答案

1. C

2. B

3. B

4. A

