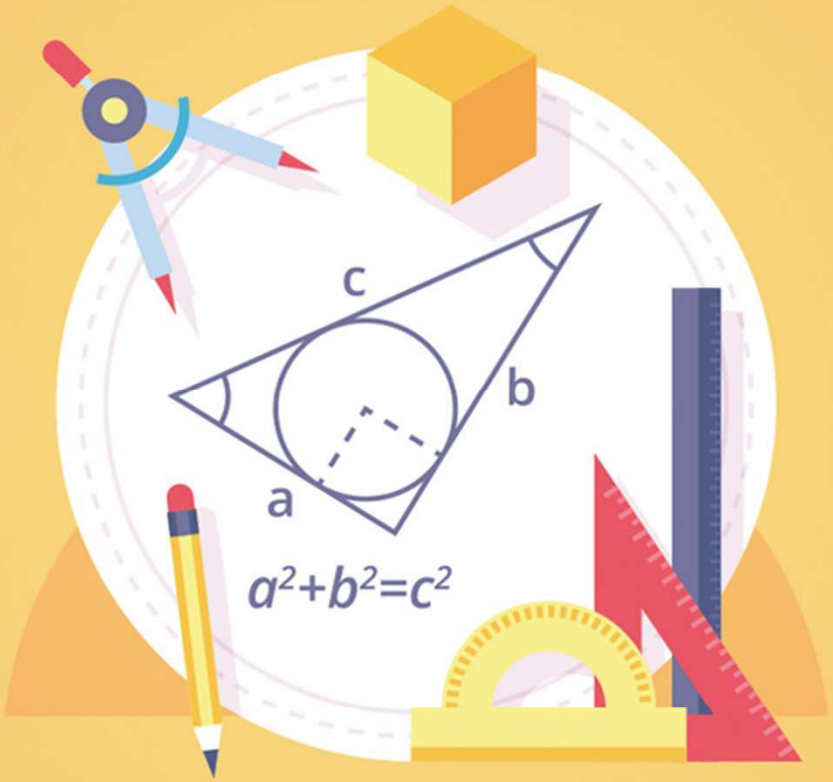
香港資優數學協會
Hong Kong Gifted Mathematics Association



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P6組

試題參考樣本

https://www.hkgmc.org

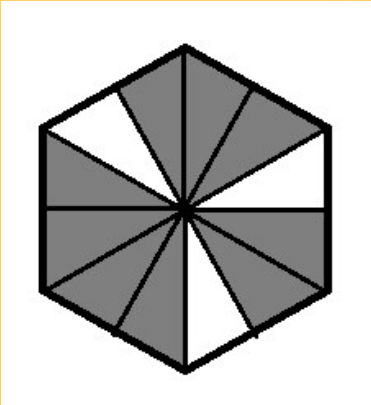
常規組

小學P6組

試題參考樣本

1. 以下六邊形着色部份佔全圖多少?

How much does the following hexagon coloring take up in the whole picture?



A. 0.2　　B. 0.25　　C. 0.5　　D. 0.75

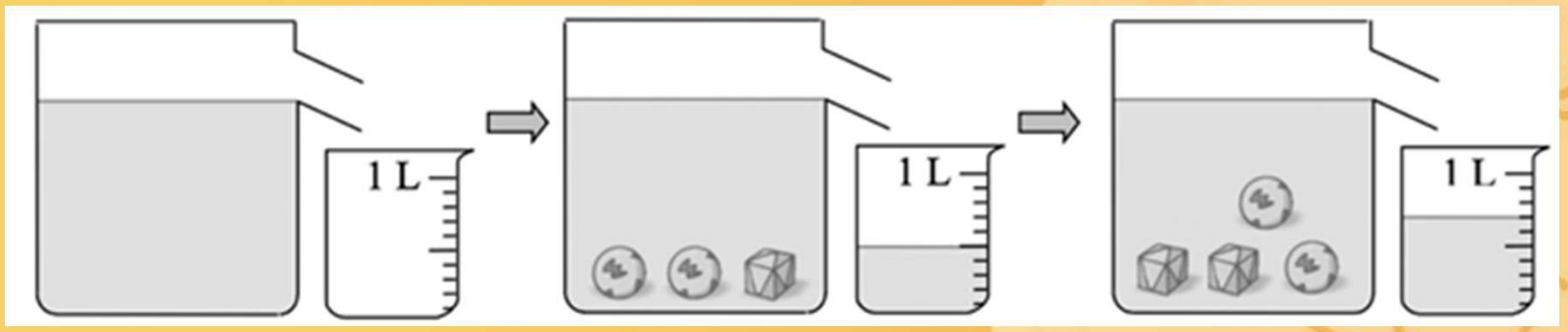
2. 三種紙幣共$1040，其中$100紙幣的數目是$50的兩倍，$50紙幣的數目是$20的兩倍，$100紙幣的數目有多少張?

There are three types of banknotes totaling $1040. The number of $100 banknotes is twice that of $50, and the number of $50 banknotes is twice that of $20. How many $100 banknotes are there?

A. 2　　B. 4　　C. 8　　D. 10

3. 根據下圖，一粒  的體積是多少立方厘米?

According to the picture below, what is the volume (cm^3) of one  ?



A. $150cm^3$

B. $200cm^3$

C. $250cm^3$

D. $300cm^3$

4. 某公司有100名職員，他們的平均年齡是40歲。男職員有40名，男職員的平均年齡是50歲。那麼女職員的平均年齡是多少?

A company has 100 employees and the average age is 40. There are 40 male employees whose average age is 50 years old. What is the average age of female employees?

A. 29

B. 30

C. 31

D. $33\frac{1}{3}$

小學P6常規組-試題參考樣本

答案

1. D

2. C

3. B

4. D

資優組

小學P6組

試題參考樣本

1. 求 7^{2026} 的個位數字。

Find the units digit of 7^{2026}.

A. 7

B. 3

C. 9

D. 1

2. 某次考試，答對一題得 5 分，答錯或不答扣 2 分。共 20 題，小明得 58 分。他答對了幾題?

In a test of 20 questions, 5 marks are awarded for a correct answer, and 2 marks are deducted for a wrong or unanswered question. If Ming scored 58, how many questions did he answer correctly?

A. 17

B. 16

C. 15

D. 14

3. 5名學生 A, B, C, D, E 參加比賽。A 說：「C 是第二名，我是第三名。」B 說：「我是第二名，E 是第四名。」C 說：「D 是第一名，我是第三名。」D 說：「C 是第二名，A 是第一名。」已知每人都只說對了一半，且沒有平手。請問前三名依次是誰?

5 students A, B, C, D, E took part in a competition. A said: "C is 2nd, I am 3rd." B said: "I am 2nd, E is 4th." C said: "D is 1st, I am 3rd." D said: "C is 2nd, A is 1st." Each student made one true and one false statement, and there are no ties. Who are the top 3 students in order?

A. D, C, A　　B. D, C, B　　C. B, C, D　　D. D, B, A

4. 直角三角形三邊長皆為整數，斜邊長為 25，求其面積的最大可能值。

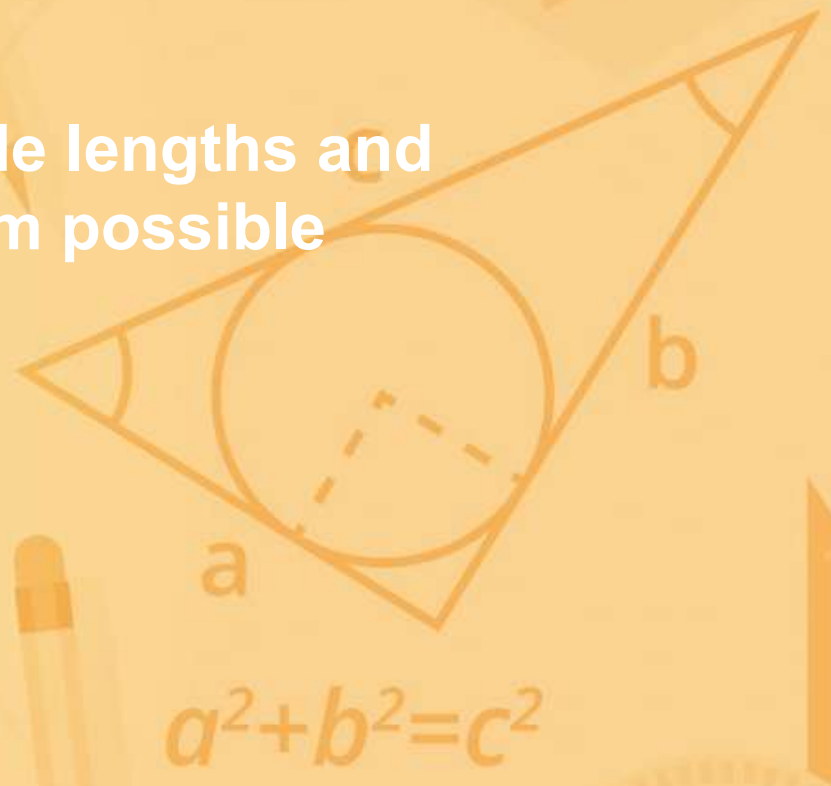
A right-angled triangle has integer side lengths and a hypotenuse of 25. Find the maximum possible area of this triangle.

A. 136

B. 150

C. 156

D. 168



小學P6資優組-試題參考樣本

答案

1. C

2. D

3. B

4. B