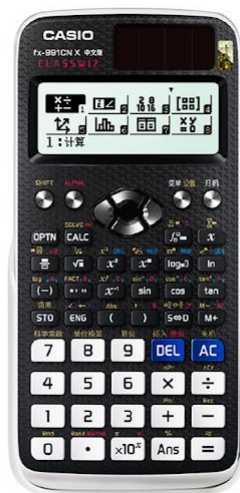


国际课程适应力评估旨在全面评估学生是否具备能够成功完成我校学业的能力。

所需文具及其他说明：

我校会提供评估所需文具及物品，包括中性笔、铅笔和橡皮。
数学评估全程可使用科学函数计算器，请学生自备。



苏州德威严禁作弊，如学生被发现携带未获许可带入评估现场的物品，或有任何形式的作弊，会被取消评估资格，并在该学年内不得参加任何我校评估。
参加评估当天，学生可能会被邀请到我校做进一步评估。

苏州德威 IGCSE 国际课程适应力评估信息

IGCSE课程评估由以下部分组成：

- A. 英语综合运用评估 – 60分钟
- B. 英文写作能力评估 – 30分钟
- C. 英语面试 – 6-10分钟
- D. 数学能力评估 – 60分钟

注：每场次评估具体安排，相关科目的评估时间可能不按以上列表顺序。
评估前一周，每位学生的申请邮箱都会收到招办发送的具体安排邮件。

英语综合运用评估（60 分钟）

A 部分：英文知识运用（30 分钟）

此部分将包括大约 30 个问题，主要评估学生对语法和词汇的掌握能力。此评估共有两个部分。第一部分是单项选择题，主要基于一份阅读节选，要求学生根据上下文线索，从四个选项上选出最合适的答案。第二部分是一个开放式的完形填空，要求学生在提供的文章中，根据上下文线索及对英语运用的综合掌握能力，填出空白部分。

B 部分：听力和阅读理解评估（30 分钟）

此部分是单项选择题，此部分问题类型比较广泛，将包括大约 15 个问题，主要评估学生听取和理解短文的能力。学生将听两遍录音，然后从四个选项中，选择他们理解的最适合的答案。

英文写作能力评估（30 分钟）

这项评估要求学生写一篇表达个人观点、阐述理由和原因或是针对现代社会中存在的问题所造成的影响进行阐述的文章。此项评估旨在观察学生能否根据主题表达个人观点并给出合理的阐述。文章规定为 150-200 字，学生应确保所写文章和要求的结构相符（即有开头、主体、结尾）。

英语面试（6-10 分钟）

这项评估以 IGSCE 英语（作为第二语言）为基础，考官将会与学生进行一场持续 6-10 分钟的讨论。通过面试，考官将能更好地了解学生以及他们是否适合学校，或沟通申请过程中的任何问题。

数学能力评估 (60 分钟)

数学能力评估为中英文双语对照, 包含 A、B、C 三部分, 共计 60 分钟

A 部分由 10 道基础数学题组成, 评估基本的数学原理和所需的关键词汇。考查知识点如下:

1. 解线性方程
2. 解一元二次方程
3. 与平行线相关的角
4. 面积和体积
5. 圆
6. 求平均值
7. 概率
8. 数的性质
9. 三角形
10. 数列和找规律

B 部分通过简答题来评估学生目前所学到的关键性的数学知识点, 以及全面评估学生对要求更高的知识点的掌握。共包含 10 道问题, 其中 5 道题将评估对于数学理论的理解力, 5 道更具挑战性的问题将评估运用数学思维来解决问题的能力。

C 部分为 1 道难度较大的解答题, 要求学生有出色的数学知识运用能力, 以及在高难度的问题中运用数学概念的能力。所有的解题步骤都必须呈现出来, 只填写最后的答案将会被零分处理。

数学能力评估中的 B 和 C 部分, 会考查更广泛的知识点, 考察知识点如下:

1. 线性方程
2. 二次方程与函数
3. 线性不等式
4. 平行线和圆的定理
5. 相似图形
6. 直角三角形($\sin/\cos/\tan$ 和毕达哥拉斯定理)
7. 长度/面积/体积计算
8. 概率和统计

Sample Paper

Mathematics – Sections A, B and C

数学 A、B、C 部分

60 minutes

36 marks

Instructions:

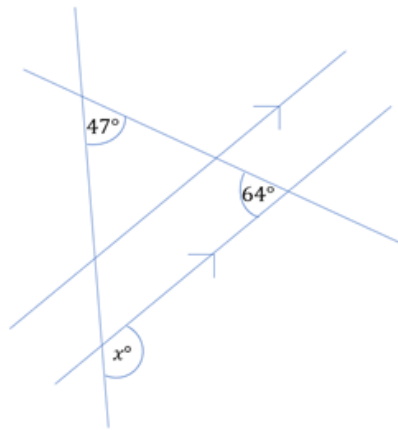
- A glossary may be used 可使用我校现场提供的双语词汇表
- A Calculator may be used 可使用计算器
- Please answer the questions on the separate answer booklet. 请将答案填在答题卡上
 - Please put your name clearly on each booklet used. 请将你的姓名清楚地写在答题卡上
 - For Section A, each correct answer is awarded 1 mark. A 部分每个正确的答案得 1 分
 - For Section B, each correct answer is awarded 2 marks. B 部分每个正确的答案得 2 分
 - No marks are taken away for incorrect answers. 答错不得分
 - Section B is worth 10 marks. A 部分总分为 10 分
 - Section B is worth 20 marks. B 部分总分为 20 分
 - Section C is worth 6 marks. C 部分总分为 6 分
 - You must show your process in Section C to gain marks C 部分必须显示计算解题步骤来得分

Do not turn over until instructed to do so.

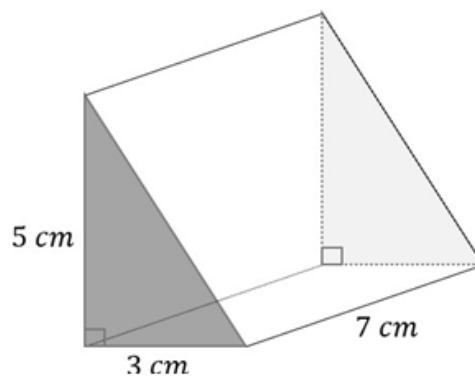
请等监考老师说开始时，方可翻阅试卷。

Section A

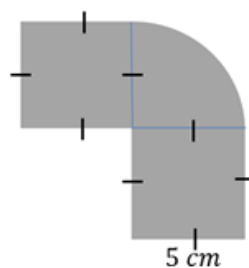
1. Solve $5(2x - 3) + 2x = 6x - 1 - 2(3 - 2x)$
解方程 $5(2x - 3) + 2x = 6x - 1 - 2(3 - 2x)$
2. Solve $x^2 - x - 42 = 0$
解方程 $x^2 - x - 42 = 0$
3. Find the value of x
求出 x 的值



4. Find the volume of the following shape:
求出立方体的体积



5. Find the area of the following shape
求出阴影部分面积



6. Find the mean of the following numbers

求出以下数字的平均数

12 14 15 11 10 10 17 21

7. In a bag there are 4 red balls and 8 green balls. I choose two balls at random. Find the probability that the both balls are green.

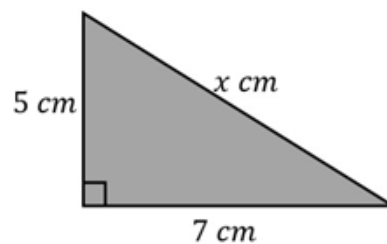
一个袋子里有四个红球和八个绿球，我随机从中抽取两个球，请问两个球都是绿色的概率是多少

8. Find the sum of the square root of 36 and the cube of 3.

求出36的平方根与3的立方之和

9. Find the value of x .

求出 x 的值



10. Find the n^{th} term in the following pattern

找出以下数字的规律

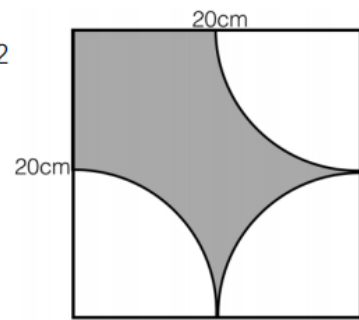
17, 14, 11, 8, 5

SECTION A ANSWER GRID

| | |
|-----------------------|---------------------------------|
| 1. $x = 4$ | 6. 13.75 |
| 2. $x = 7, x = -6$ | 7. $\frac{14}{33}$ or 0.4242... |
| 3. 111° | 8. 33 |
| 4. 52.5cm^3 | 9. $\sqrt{74}$; 8.60 <i>cm</i> |
| 5. 69.6 cm^2 | 10. $-3n + 20$ |

Section B

- 1) The diagram shows a square with sides of length 20cm. Three quarter circles are removed from the square, what is the area of the shaded region?



如图所示，一个边长为 20cm 的正方形。在三个顶点处挖去一个四分之一圆，求阴影部分的面积。

- 2) Three equations are given as

$$\begin{aligned} -a - b - 2c &= 3 \\ 2a - b + 2c &= 0 \\ -a + b &= 1 \end{aligned}$$

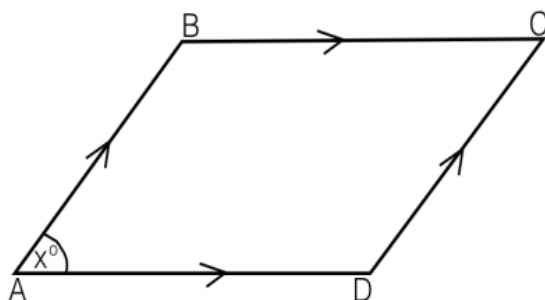
Solve them to find a, b and c .

解方程组

$$\begin{aligned} -a - b - 2c &= 3 \\ 2a - b + 2c &= 0 \\ -a + b &= 1 \end{aligned}$$

求 a, b, c

- 3) In the diagram, the area of the sl
given as $100\sqrt{3}$.



If $AB:BC$ is equal to 1:2, and $x = 60$,

find the length of BC .

如图所示，图形的面积是 $100\sqrt{3}$ 。

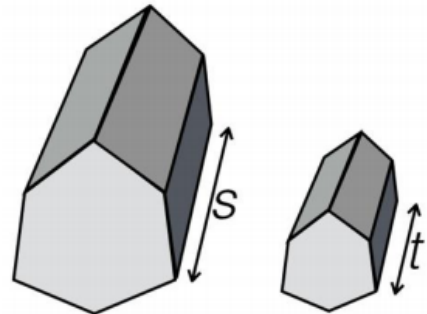
已知 $AB:BC$ 等于 1:2, $x = 60$, 求 BC 的长。

4) Two similar prisms are shown, the volume of the larger prism is 243cm^3 and the volume of

the smaller prism is 72cm^3 .

If $t = 9$, what is the value of s ?

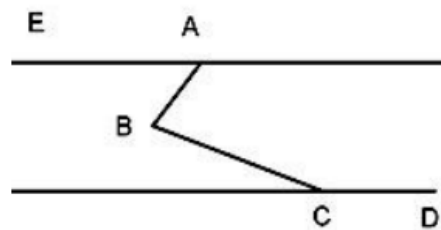
图中为两个相似棱柱。大棱柱的体积是 243cm^3 ，小棱柱的体积是 72cm^3 。
已知 $t = 9$ ，求 s 的值。



5) EA is parallel to CD , angle $EAB = 25^\circ$ and angle BCD is 155° .
What is the acute

angle ABC ?

已知: EA 平行于 CD , $\angle EAB = 25^\circ$,
 $\angle BCD = 155^\circ$, 求锐角 $\angle ABC$ 。



6) If the equation $2x(p - x) = 3$ has real and equal roots, find the exact values of p .

已知方程 $2x(p - x) = 3$ 有相等的实数根，求 p 的准确值。

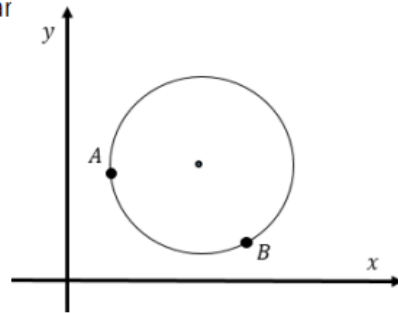
7) Find the product of two numbers if their difference is 48 and the sum of their

squares is 3264.

已知：两个数的差是 48，两个数的平方和是 3264。求两个数的积。

8) The line AB is a chord where $A(4,7)$ and $B(12,3)$ are the endpoints. Find the equation of the line that passes through the centre of the circle and the midpoint of AB .

已知：圆中的弦 AB 的端点坐标为 $A(4,7)$ 和 $B(12,3)$ 。求过圆心和 AB 的中点的直线的方程。



9) An equation is given as

$$\frac{4}{y} = \frac{2}{x+5} + \frac{x}{3}, \quad x \neq -5, y \neq 0.$$

Make y the subject. (i.e. in the form $y = \dots$)

已知关于 x, y 的方程

$$\frac{4}{y} = \frac{2}{x+5} + \frac{x}{3}, \quad x \neq -5, y \neq 0.$$

求 y 关于 x 的表达式。

(形式为 $y = \dots$)

10) A bag of balls contains twelve balls, seven are red and five are blue.

I take three balls from the bag without putting them back, what is the probability that

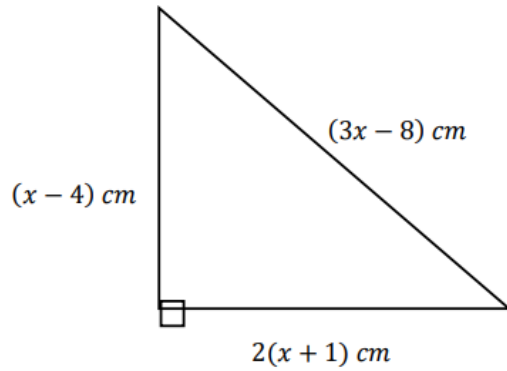
there are less than two blue balls?

一个袋子里有 12 个球，七个红球，五个蓝球。从袋子里随机拿出三个球，每次拿出
的球不再放回去，问三个球中少于两个蓝球的概率是多少？

Section B answer grid

| | |
|----------------------------|--|
| 1. $400 - 75\pi$ | 6. $\sqrt{6}, -\sqrt{6}$ |
| 2. $a = -5, b = -4, c = 3$ | 7. 480 |
| 3. 20 | 8. $y = 2x - 11$ |
| 4. 13.5 cm | 9. $y = \frac{12(x+5)}{(x+2)(x+3)}$ (or $y = \frac{12(x+5)}{x^2+5x+6}$) |
| 5. 50 | 10. $\frac{7}{11}$ |

Section C



Find the area of the above triangle. Show your working.
求出三角形的面积，需要写出解题过程。

ANS:

By Pythagoras' Theorem,

$$(x - 4)^2 + 4(x + 1)^2 = (3x - 8)^2$$

Expand and simplify

$$x^2 - 8x + 16 + 4x^2 + 8x + 4 = 9x^2 - 48x + 64$$

$$4x^2 - 48x + 44 = 0$$

$$x^2 - 12x + 11 = 0$$

Factorise and solve for x .

$$(x - 11)(x - 1) = 0$$

Therefore,

$$x = 1 \quad (\text{reject} - \text{need } x - 4 > 0 \text{ (and } 3x - 8 > 0))$$

$$x = 11.$$

$$\text{Base} = 2(x + 1) = 24 \text{ cm}$$

$$\text{Height} = (x - 4) = 7 \text{ cm}$$

$$\text{Area} = \frac{1}{2} \times 24 \times 7 = 84 \text{ cm}^2$$

苏州德威 A Level 国际课程适应力评估信息

A Level 评估由以下部分组成：

- A. 英语综合运用评估（60 分钟）
- B. 英文写作能力评估（30 分钟）
- C. 英语面试（6-10 分钟）
- D. 数学能力评估（60 分钟）
- E. AS 科目选测（考生自选，30 分钟/科目）

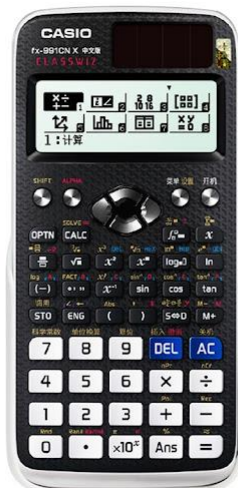
关于 AS 科目的内容选择，具体请致电招办：0512-67875003/67875023，或邮件发送至 admissions.dhsz@dulwich.org

The International curriculum suitability assessment is designed as a comprehensive assessment of students' ability to access our curriculum and succeed in our school.

Equipment:

Students will be provided with a pen, pencil and eraser.

Students can use a scientific calculator during the assessment (please prepare in advance).



DHSZ has a zero-tolerance policy for academic dishonesty – Students with unauthorized materials or found cheating (in any way) will be disqualified from the entire assessment and not be permitted to sit a further admissions assessment during that academic year. Following the assessment, students may be invited for further assessment.

Dulwich International High School Suzhou's IGCSE International Curriculum Suitability Assessment Information

The IGCSE Assessment will consist of:

- A. English Computer Based Assessment – 60 minutes
- B. English Writing Assessment – 30 minutes
- C. English Interview – 6-10 minutes
- D. Mathematics Assessment – 60 minutes

Note: Due to the way the assessment is scheduled, it is possible that students may not sit the assessment in the order listed in this document. One week before the assessment, each candidate will be informed of the order in which they will sit the assessment.

English Computer Based Assessment (60 minutes)

Section A: Use of English (30 minutes)

The Use of English section will comprise of approximately 30 questions which test students' ability to distinguish and select the correct verb tenses, sentence structures, and vocabulary. There are two parts to the test. The first section is a multiple-choice test in which students will be asked to select the most appropriate answer from a selection of four possibilities, based on contextual clues from an excerpt of writing. The second section is an open cloze test, in which students will be given a single, long text with blanks and they will be required to fill in the blanks, based on contextual clues.

Section B: The Listening and Comprehension Assessment (30 minutes)

The listening section is a multiple-choice test and will comprise of approximately 15 questions which test students' ability to hear and understand the meaning of short sentences. Students will have the option to listen to the recordings twice, and then, from the four options, select the answer which best fits their understanding.

Writing Assessment (30 minutes)

The assessment will require students to write an essay which explains the opinions, reasons, causes, or effects of a particular issue which exists in the modern world. Although students will not be examined on the content of the essay, it is expected that students will be able to describe their thoughts on the topic and give reasonable and appropriate explanations. Students should write between 150-200 words, and they should make sure that the essay has structure (i.e. it has an introduction and conclusion.)

English Interview (6-10 minutes)

The entrance exam interview is based on the speaking component of the IGCSE English as a Second Language, which is a 6–10-minute discussion between a student and an examiner based on a previously unseen topic. The interview is also an opportunity to understand more about the student profile, suitability for the school, and to address any questions or gaps in the application.

Mathematics Assessment (60 minutes)

Bilingual paper, 60 minutes in total

Section A consists of 10 short bilingual questions, assessing some basic mathematical principles and key vocabulary required. The topics to be assessed will be:

1. solving linear equations
2. solving quadratic equations
3. angles in parallel lines
4. areas and volumes
5. circles
6. averages
7. probability
8. number properties
9. triangles
10. sequences and patterns

Section B consists of short bilingual questions designed to assess a broad range of key mathematical ideas, which are designed to thoroughly assess the students understanding of the more demanding aspects required. This will consist of 10 questions, 5 assessing a good understanding of mathematical techniques and 5 more challenging questions assessing the use of mathematical ideas.

Section C consists of 1 question which is highly demanding, requiring excellent mathematical fluency, and an ability to apply mathematical concepts in the most difficult of situations. Full working methods should be shown for this section. Zero marks will be awarded for writing only the answer.

The B and C parts of the Mathematics Assessment mainly examines the wider range of knowledge taught in junior high schools:

1. Linear equations

2. Quadratic equations and functions
3. Linear inequalities
4. Angles in parallel lines and circles
5. Similar shapes
6. Right-angled triangles (sin/cos/tan and Pythagoras theorem)
7. Length/Area/Volume calculations
8. Probability and statistics

Dulwich International High School Suzhou's A Level International Curriculum Suitability
Assessment Information

The A Level Assessment will comprise of:

- A. English Computer Based Assessment – 60 minutes
- B. English Writing Assessment – 30 minutes
- C. English Interview – 6-10 minutes
- D. Mathematics Assessment – 60 minutes
- E. AS Option – 30 minutes per option

For more information about AS option choice, please contact admissions via telephone on 0512-67875003, 67875023, or via e-mail on admissions.dhsz@dulwich.org