

Using Online Teaching Platforms to Enhance Students' Independent Learning in Mathematics

運用電子教學平台提升學生自主學習數學 的素養

Hugo Cheng Man Kin

鄭文健老師

Po Leung Kuk No.1 W. H. Cheung College

保良局第一張永慶中學

Po Leung Kuk No.1 W. H. Cheung College

保良局第一張永慶中學

- It was the first school established by Po Leung Kuk in 1971, and was named Po Leung Kuk C.F.A. No. 1 College (Chinese: 保良局總理聯誼會第一中學)
- It located at Po Kong Village Road, Tsz Wan Shan, Wong Tai Sin





OneNote的功能：

- 多平台支援：可在Windows、Mac、iOS和Android等多個平台上使用。
- 多媒體筆記：可以插入文字、圖片、手寫筆記、音訊和視訊等。
- 筆記組織：提供分頁、節、筆記本和筆記本組等組織工具。
- 協作功能：可以與他人共享筆記本和筆記，並進行即時協作。



- 學生評估資料庫（STAR）是一個線上評估平台。
 - 載於香港教育城網站內。
- <https://star.hkedcity.net/>
- 內容涵蓋從小學一年級到中學三年級的中文、英語和數學。
 - 費用全免。
 - 提供評估報告，可以利用這些報告來回顧學生的學習進展。

電子教學的「天時、地利、人和」

天時：數位化時代和全球疫情推動了電子教學的發展和實施。

地利：穩定的互聯網連接、適當的設備和軟體工具為電子教學提供了必要的基礎設施。

人和：教師具備技術能力，學生和家長接受和參與，共同促進了電子教學的成功實施。



(地利) 電子教學的設備



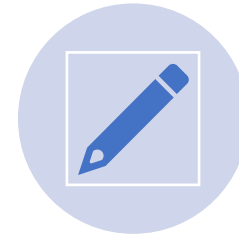
平板電腦



互動式白板



投影機/顯示器



數位筆(TABLET
PENCIL)



互聯網連接

(人和) 電子教學的持份者

- 教師：教師是電子教學的關鍵角色。
- 學生：適應和參與電子教學的方式。
- 家長：理解和支持孩子參與電子教學的方式。
- 資訊科技員TSS：提供技術支援、研究電子教學平台。



不同的筆記軟件

- Good notes (Personal)
- Notability (Personal)
- OneNote (Personal, Classroom)



2023-2024 1C Maths 筆記本

歡迎使用

> _Collaboration Space

> _內容庫

(Textbook) SB Exercis...

Lesson Worksheet

Supplementary Exam...

Consolidation Exercise

Challenging Worksheet

Teaching Powerpoint

> _教師專用

> 1C 01

> 1C 02

> 1C 03

> 1C 04

> 1C 05

> 1C 06

> 1C 07

> 1C 08

> 1C 09

> 1C 10

20. If the general term of a sequence is $\frac{n-3}{n}$, find the sum of the 4th term and the 8th term of the sequence.

$$a_n = \frac{n-3}{n}$$

$$a_4 = \frac{(4)-3}{(4)}$$

$$= \frac{1}{4}$$

$$a_8 = \frac{(8)-3}{8}$$

$$= \frac{5}{8}$$

$$\begin{aligned} a_4 + a_8 &= \frac{1}{4} + \frac{5}{8} \\ &= \frac{2}{8} + \frac{5}{8} \\ &= \frac{7}{8} \end{aligned}$$

21. It is known that the general term of a sequence is $14 - 3n$.

(a) Find the 7th term of the sequence.

(b) If the k th term of the sequence is -19 , find the value of k .

(c) Is -8 a term of the sequence? Explain your answer.

22. The following figures are formed by rectangles with a pattern.



By guessing, write down the numbers of rectangles in the next two figures. Explain your answer.

$$\begin{aligned} a_5 &= 6 \times 6 - 2 \\ &= 36 - 2 \\ &= 34 \end{aligned}$$

$$\begin{aligned} a_6 &= 7 \times 7 - 2 \\ &= 49 - 2 \\ &= 47 \end{aligned}$$

23. Consider the following figures. They are formed by dots with a pattern.



(a) By guessing, write down the numbers of dots in the next three figures. Explain your answer.

(b) Which kind of sequence do the numbers of dots in the figures form?

$$a_1 = 1$$

$$a_2 = 1 + 2$$

$$a_3 = 1 + 2 + 3$$

$$a_4 = 1 + 2 + 3 + 4$$

$$a_5 = 1 + 2 + 3 + 4 + 5$$

$$a_n = \frac{n(n+1)}{2}$$

$$\begin{aligned} a_5 &= 6 \times 6 - 2 \\ &= 36 - 2 \\ &= 34 \end{aligned}$$

歡迎使用

> _Collaboration Space

> _內容庫

(Textbook) SB Exercise word file

Lesson Worksheet

Supplementary Example Worksheet

Consolidation Exercise

Challenging Worksheet

Teaching Powerpoint

> _教師專用

> 1C 01

> 1C 02

> 1C 03

> 1C 04

> 1C 05

> 1C 06

> 1C 07

> 1C 08

> 1C 11

CH1c Lesson Worksheet

CH1d Lesson Worksheet

CH1e Lesson Worksheet

CH2a Lesson Worksheet

CH2b Lesson Worksheet

CH2c Lesson Worksheet

CH3a Lesson Worksheet

CH3b Lesson Worksheet

CH3c Lesson Worksheet

CH3d Lesson Worksheet

CH3e Lesson Worksheet

CH4a Lesson Worksheet

CH4b Lesson Worksheet

CH5a Lesson Worksheet

CH5b Lesson Worksheet

CH5c Lesson Worksheet

CH5d Lesson Worksheet

CH6a Lesson Worksheet

CH6b Lesson Worksheet

有效管理

Name: _____ Class: _____ ()

Lesson Worksheet 5C

(Refer to Book 1A §5.3A)

5.3A Discount

Discount = marked price – selling price

Discount % = $\frac{\text{discount}}{\text{marked price}} \times 100\%$



Compare:

Decrease = original value – new value

Percentage decrease = $\frac{\text{decrease}}{\text{original value}} \times 100\%$

1. Complete the table below.

	Marked price	Selling price	Discount	Discount %
(a)	\$70	\$49	21	$\frac{21}{70} \times 100\%$
(b)	\$52	13	\$39	$\frac{39}{52} \times 100\%$
(c)	160	\$136	\$24	$\frac{24}{160} \times 100\%$

Ex 5C 1, 2, 3(c), (d)

Example 1 Level 1

The marked price of a headphone is \$500, and it is sold for \$200. Find the discount per cent.

Instant Drill 1

The marked price of a hat is \$60, and it is sold for \$54. Find the discount per cent.



歡迎使用

> _Collaboration Space

∨ _內容庫

(Textbook) SB Exercise word file

Lesson Worksheet

Supplementary Example Worksheet

Consolidation Exercise

Challenging Worksheet

Teaching Powerpoint

_教師專用

CH1c Lesson Worksheet

CH1d Lesson Worksheet

CH1e Lesson Worksheet

CH2a Lesson Worksheet

CH2b Lesson Worksheet

CH2c Lesson Worksheet

CH3a Lesson Worksheet

CH3b Lesson Worksheet

CH3c Lesson Worksheet

CH3d Lesson Worksheet

Microsoft OneNote

開始使用





Search

...

CK



Activity



Calendar



Teams



Assignm...

...



Apps

Teams

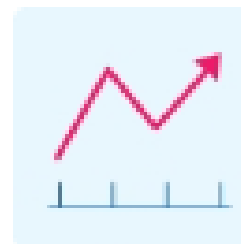


Join or create team

Your teams

22

2023-2025 ICT



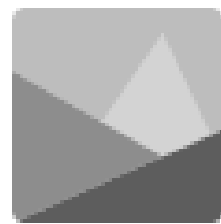
2023-2024 1C Maths

建立Class Notebook

< Back

Join or create a team

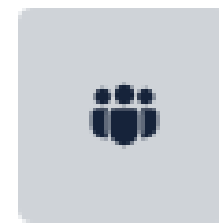
Search teams



Create a team



Create team

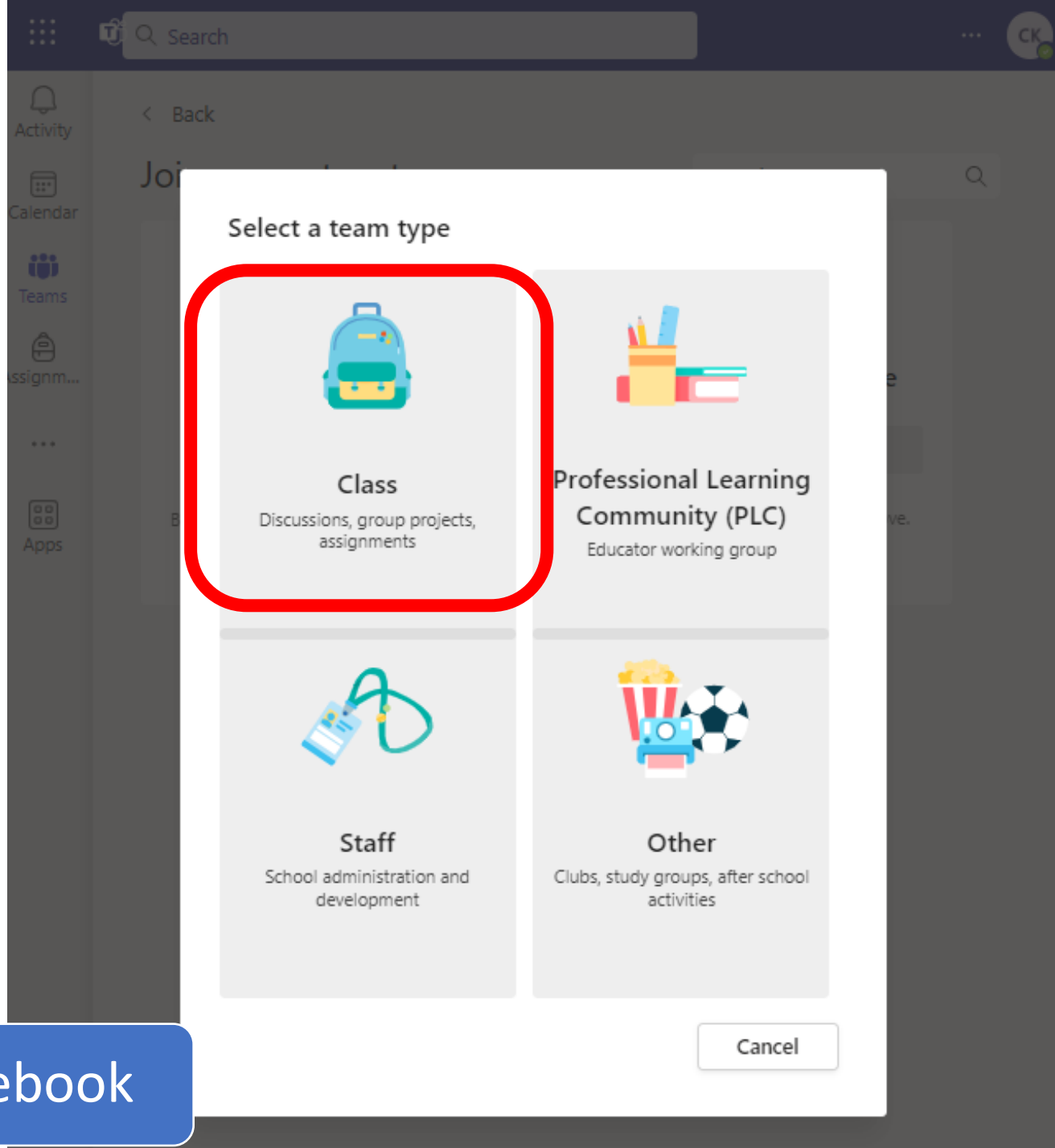


Join a team with a code

Enter code

Got a code to join a team? Enter it above.

建立Class Notebook



建立Class Notebook

Calendar

Teams

As

Join or create a team

Search teams

Create your team

Teachers are owners of class teams and students participate as members. Each class team allows you to create assignments and quizzes, record student feedback, and give your students a private space for notes in Class Notebook.

Name

2023-2024 LTE

✓

Description (optional)

Let people know what this team is all about

Create a team using an existing team as a template

Cancel

Next

建立Class Notebook



Teams



Add people to "2023-2024 LTE"

Students Teachers

1d

Add

1N

1C 03 Ch

1L

1C 06 Lee

1H

1C 21 Ch

1L

1C 10 Tsa

on at your school.

Skip

建立Class Notebook

< All teams

22

2023-2024 LTE

Home page

Class Notebook

Classwork

Assignments

Grades

Reflect

Insights

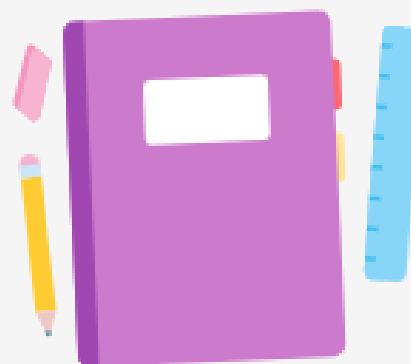
Channels

General

建立Class Notebook



Class Note...



Give your students a private space for notes
and a canvas for collaboration.

Set up a OneNote Class Notebook

< All teams

22

2023-2024 LTE

...

Home page

Class Notebook

Classwork

Assignments

Grades

Reflect

Insights

Channels

General



Class Note...



Give your students a private space for notes
and a canvas for collaboration.

Set up a OneNote Class Notebook

Blank Notebook

From existing notebook content

建立Class Notebook

Here's what you will get in your 2023-2024 LTE Notebook:

Collaboration Space

Team notes are stored here for everyone to see. All channels will have sections here.

 Teacher can edit the content

 Student can edit the content

Content Library

Publish course materials to students.

 Teacher can edit the content

 Student can only view the content

Teacher-Only Section

A private space for teachers


 Teacher can edit the content

 Student cannot view the content

Student Notebooks

A private space for each student.

 Teacher can edit the content

 Student can edit his or her own content and can't view others' notebooks

2023-2024 LTE

Home page

Class Notebook

Classwork

Assignments

Grades

Reflect

Insights

Channels

General



Here's what you will get in your 2023-2024 LTE Notebook:

Collaboration Space

Team notes are stored here for everyone to see. All channels will have sections here.

👤 Teacher can edit the content

👥 Student can edit the content

Content Library

Publish course materials to students.

👤 Teacher can edit the content

👥 Student can only view the content

Teacher-Only Section

A private space for teachers

👤 Teacher can edit the content

👥 Student cannot view the content

Student Notebooks

A private space for each student.

👤 Teacher can edit the content

👥 Student can edit his or her own content and can't view others' notebooks

Discard

Next

建立Class Notebook

< All teams

22

2023-2024 LTE

Home page

Class Notebook

Classwork

Assignments

Grades

Reflect

Insights

Channels

General



Class Notebook



Set up the sections in each student's private space.

Use the following suggestions or create your own.

2023-2024 LTE Notebook

Student name

Handouts



Class Notes



Homework



Quizzes



+ Add section

Discard

Back

Create

建立Class Notebook

< All teams

22

2023-2024 LTE

Home page

Class Notebook

Classwork

Assignments

Grades

Reflect

Insights

Channels

General



Class Notebook



Set up the sections in each student's private space.

Use the following suggestions or create your own.

2023-2024 LTE Notebook

Student name

Class Notes

+ Add section

Discard

Back

Create

建立Class Notebook



歡迎使用



_Collaboration Space



_內容庫



(Textbook) SB Exercise word file



Lesson Worksheet



Supplementary Example Worksheet



Consolidation Exercise



Challenging Worksheet



Teaching Powerpoint

CH1c Lesson Worksheet

CH1d Lesson Worksheet

CH1e Lesson Worksheet

CH2a Lesson Worksheet

CH2b Lesson Worksheet

CH2c Lesson Worksheet

CH3a Lesson Worksheet

CH3b Lesson Worksheet

CH3c Lesson Worksheet

CH3d Lesson Worksheet

建立Class Notebook

用

Search

< All teams

22

2023-2024 LTE

Home page

Class Notebook

Classwork

Assignments

Grades

Reflect

Insights

Channels

General

Class Note...

File Home Insert Draw View Tell me what you want to do

Undo Bold Italic Bulleted List Numbered List Link Image Font Color Background Color Voice Recording

Welcome to Class Notebook

Thursday, June 9, 2022 1:24 PM


Your OneNote Class Notebook is a digital notebook for the whole class to store text, images, handwritten notes, attachments, links, voice, video, and more.

Each notebook is organized into three parts:

1. Student Notebooks — A private space shared between the teacher and each individual student. Teachers can access every student notebook, while students can only see their own.

2. Content Library — A read-only space where teachers can share handouts with students.

3. Collaboration Space — A space where everyone in your class can share, organize, and collaborate.



Teams 任務完成

建立Class Notebook

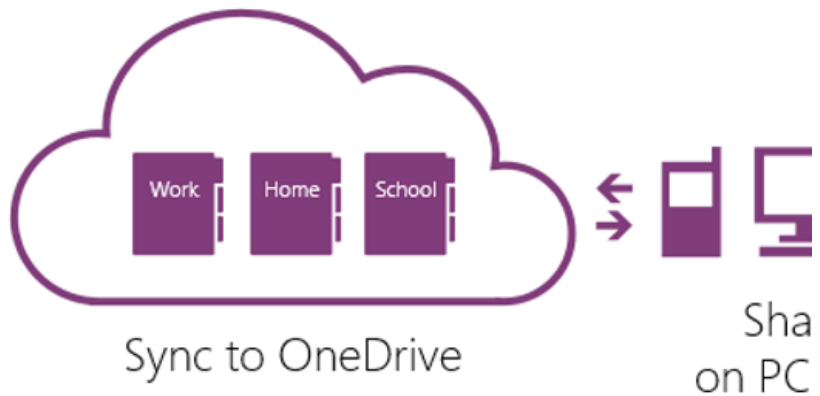
Notebooks ^

My Notebook @ Po Leung Kuk No.1 W.H.Cheung College

More Notebooks...

OneNote: one place for a

轉到OneNote



1. Take notes anywhere on t

Write your name here

開啟Class Notebook

2. Get organized

Choose notebooks to open



Notebook Name	Last used by you
<input type="checkbox"/> 2023 HKOI Notebook	Today
<input type="checkbox"/> 2023-2025 ICT 筆記本	Today
<input type="checkbox"/> 2023-2024 1C Maths 筆記本	Today
<input checked="" type="checkbox"/> 2023-2024 LTE Notebook	Today
<input type="checkbox"/> aaaa	September 2023



Not seeing all of your notebooks in this list? [Learn More](#)

開啟Class Notebook

Count

Open (1)

Cancel

2023-2024 LTE Notebook

Welcome

Welcome to Class Noteb...

> _Collaboration Space

FAQ: Class Notebook in...

> _Content Library

> _Teacher Only

Welcome to Class Notebook

Thursday, June 9, 2022 1:24 PM

Your **OneNote Class Notebook** is a digital notebook for the whole class to store text, images, handwritten notes, attachments, links, voice, video, and more.

Each notebook is organized into three parts:

1. **Student Notebooks** — A private space shared between the teacher and each individual student. Teachers can access every student notebook, while students can only see their own.
2. **Content Library** — A read-only space where teachers can share handouts with students.
3. **Collaboration Space** — A space where everyone in your class can share, organize, and collaborate.



開啟Class Notebook

Home Insert Draw View Help Class Notebook

Calibri Light 20 B I U

2023-2024 LTE Notebook

Welcome

_Collaboration Space

Using the Collaboration Space

> _Content Library

> _Teacher Only


+ Add section + Add page

Getting started with the

Thursday, June 9, 2022 12:56 PM

The Collaboration Space is open to everyone. Members can read or write on anything. Teachers and students can also create sections that work best for them.

For example, if a class splits up into groups, you can create a section where students can write related materials. Educators can also create a section for the Collaboration Space.



新增節Section



Welcome

Ch1 worksheet 1.1



_Collaboration Space



Using the Collaboration Space



CH1



_Content Library



_Teacher Only



Add section



Add page

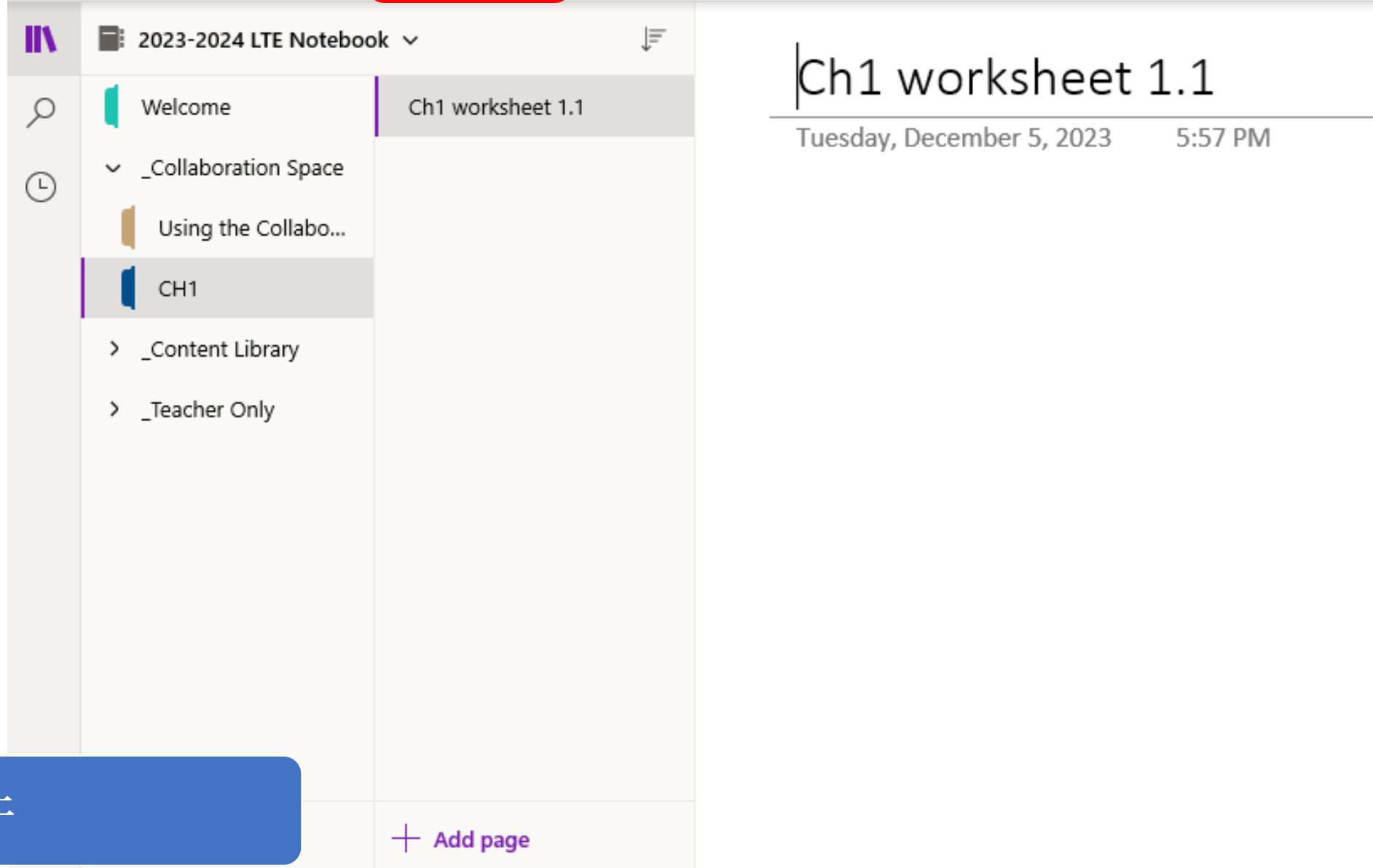
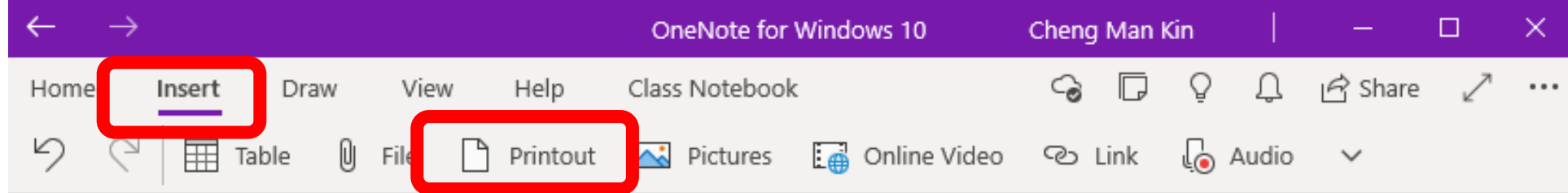
Ch1 worksheet 1.1

Tuesday, December 5, 2023

5:54 PM

|

新增頁Page



加入文件

Ch1 worksheet 1.1

Tuesday, December 5, 2023 5:57 PM

Name: _____ Class: _____ ()

Lesson Worksheet 1A

1.1 Review on Types of Numbers

(a) Natural numbers/counting numbers:

1, 2, 3, ...

(b) Whole numbers include all natural numbers and 0:

0, 1, 2, 3, ...

◀ '...' means 'and so on'.

1. List the first five

(a) natural numbers,

(b) whole numbers.

⊕ Ex 1A 1

1.2A Simple Operations

Operation	Example	By words
Addition	$2 + 3 = 5$	Add 3 to 2 (or 2 plus 3).



OJM_WS_...



OJM_WS_...

(Refer to Book 1A §1.1–1.2)

Lite Version

加入文件

Ch1 worksheet 1.1

Tuesday, December 5, 2023

5:57 PM



OJM_WS_...

Name:

Student

Class:

()



Lesson Worksheet

1A Teacher

OJM_WS_...

(Ref)

1.1 Review on Types of Numbers

(a) Natural numbers/counting numbers:

1, 2, 3, ...

(b) Whole numbers include all natural numbers and 0:

0, 1, 2, 3, ...

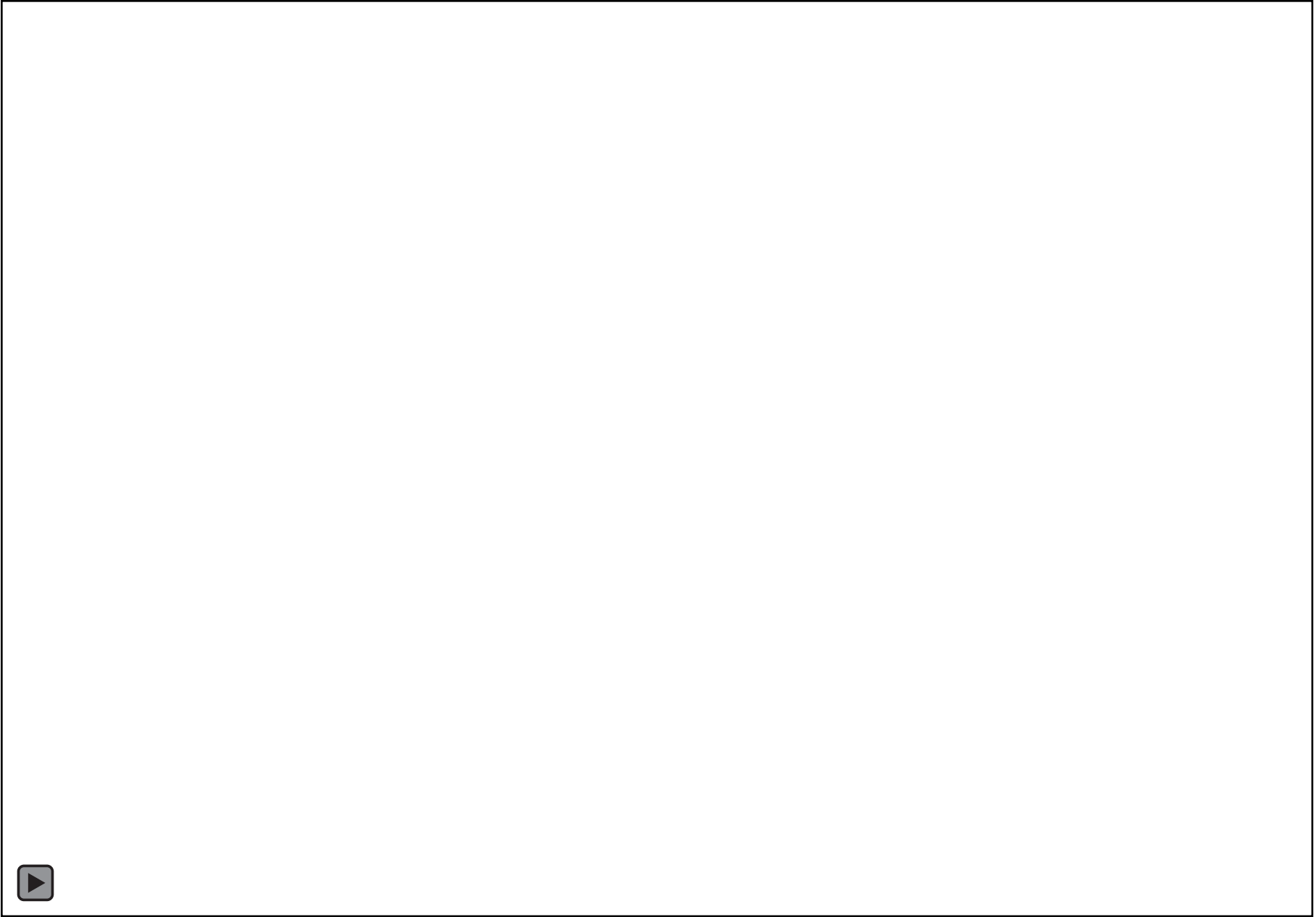
1. List the first five

(a) natural numbers,

(b) whole numbers.

1.2A Simple Operations

協作空間



協作空間



Welcome

CH1 Worksheet (Teacher...

> _Collaboration Space

v _Content Library

Using the Content...

CH1

v _Teacher Only

Using the Teacher...

內容庫 Content Library

CH1 Worksheet (Teacher write, student view)

Wednesday, December 6, 2023

1:44 PM

Name:

Teacher

Class:

()

Lesson Worksheet 1A

1.1 Review on Types of Numbers

(a) Natural numbers/counting numbers:

1, 2, 3, ...

(b) Whole numbers include all natural numbers and 0:

0, 1, 2, 3, ...

1. List the first six

(a) natural numbers,


(b) whole numbers.

1.2A Simple Operations

📖	📁 2023-2024 1C Maths 筆記本 ▾	⌵
🔍	📄 歡迎使用	CH1 (Textbook) SB Exercis...
🕒	> _Collaboratio...	CH2 (Textbook) SB Exercis...
	▾ _內容庫	CH3 (Textbook) SB Exercis...
	📄 (Textbook)...	CH4 (Textbook) SB Exercis...
	📄 Lesson Wor...	CH5 (Textbook) SB Exercis...
	📄 Supplemen...	CH6 (Textbook) SB Exercis...
	📄 Consolidati...	
	📄 Challenging...	
	📄 Teaching Po...	
	> _教師專用	
	> 1C 01 Chan S...	
	> 1C 02 Cheng...	
	> 1C 03 Cheun...	

CH1 (Textbook) SB Exercise word file

2023年9月20日 上午 08:16



OJM_SB_E...

Oxford Mathematics for the New Century 1A

Chapter 1 Basic Computa

內容庫 Content Library

1A (P.1.6)

Level 11


2023-2024 1C Maths 筆記本

- 歡迎使用
- > _Collaboratio...
- ✓ _內容庫
 - (Textbook)...
 - Lesson Wor...
 - Supplemen...
 - Consolidati...
 - Challenging...
 - Teaching Po...
- > _教師專用

- CH1 (Textbook) SB Exercis...
- CH2 (Textbook) SB Exercis...
- CH3 (Textbook) SB Exercis...
- CH4 (Textbook) SB Exercis...
- CH5 (Textbook) SB Exercis...
- CH6 (Textbook) SB Exercis...

CH1 (Textbook) SB Exercise worc

2023年9月20日 上午 08:16

 OJM_SB_E...

Oxford Mathematics for the New Century 1A

Chapter 1 Basic Cor

發佈 節Section 給學生

Name the new section you want to distribute to each student

New Section

CH7

Distribute

發佈節Section 給學生

OneNote for Windows 10

Home Insert Draw View Help **Class Notebook** Picture

Distribute Page Distribute New Section Copy to Content Library

Distribute Page

- Individual Distribution
- Group Distribution
- Cross Notebook Distribution
- Delete Page

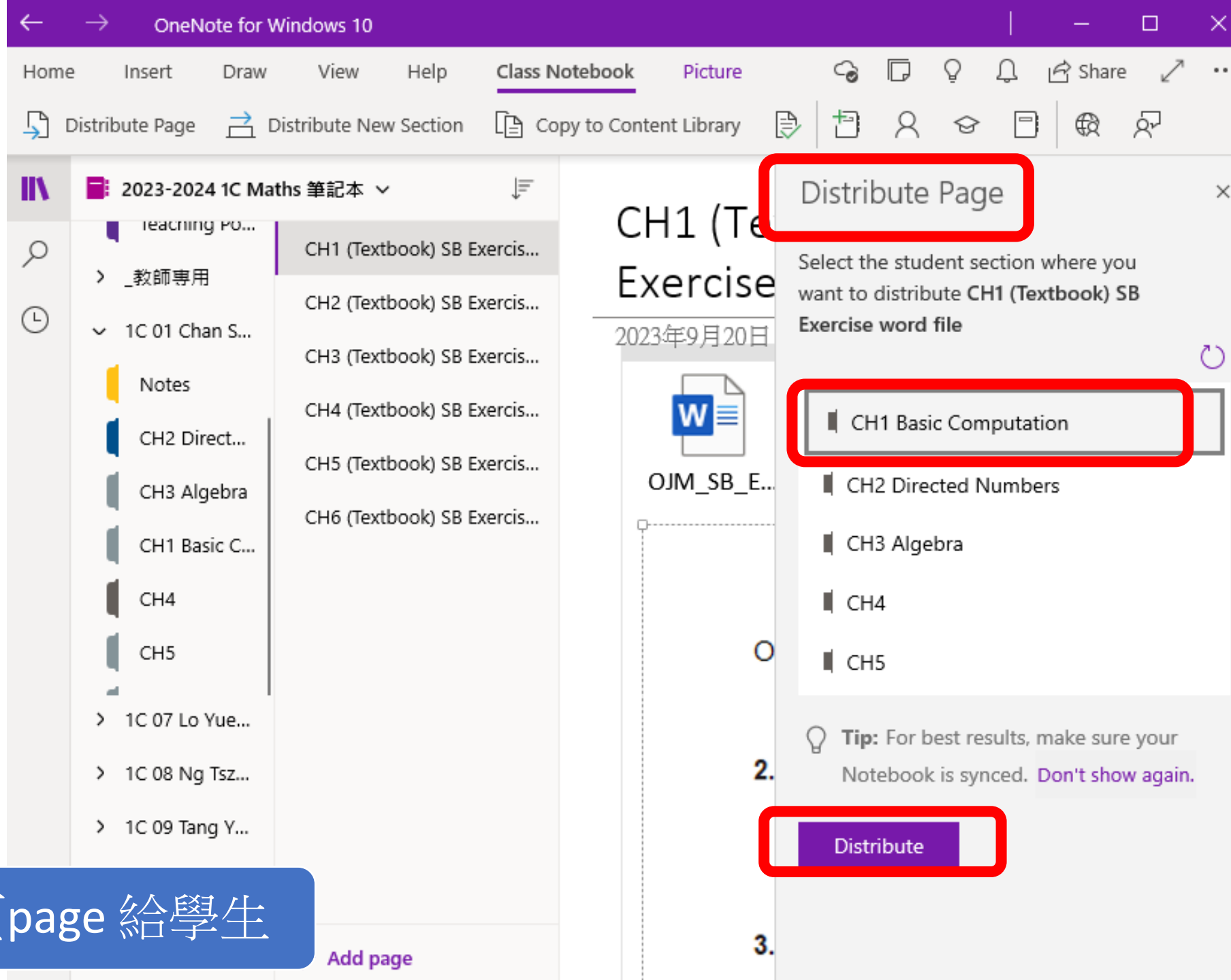
CH1 (Textbook)

2023年9月20日 上午 08:

OJM_SB_E...

Oxford Mathema

發佈 頁page 給學生



發佈 頁page 給學生

OneNote for Windows 10

Home Insert Draw View Help Class Notebook

New Window Immersive Reader Page Color Rule Lines Live Captions

2023-2024 1C Maths 筆記本

歡迎使用

> _Collaboratio...

> _內容庫

> _教師專用

1C 01 Chan S...

Notes

CH2 Direct...

CH3 Algebra

CH1 Basic C...

CH4

CH5

Untitled page

CH5 Teaching Powerpoint

CH5a Lesson Worksheet

CH5b Lesson Worksheet

CH5c Lesson Worksheet

CH5d Lesson Worksheet

CH5c Consolidation Exerc...

CH5 Teaching Powerpoint

03 November 2023 07:57

OJM_PPT_...

1A

5

P

發佈 頁page 給學生

percentage increase:

$$\frac{30 - 25}{25} \times 100\%$$

$$= \frac{20}{15} \times 100\% = 20\%$$

$O =$ _____
 $N =$ _____

percentage increase:

$$\frac{159 - 150}{150} \approx 6\%$$

$$= \frac{9^3}{150} \times 100\%$$
$$= 6\%$$

老師可以即時檢視學生進度

Example 2

Level 1

The area of land in Hong Kong is about 1 100 km². 40% of the land is country parks. Find the total area of country parks in Hong Kong.

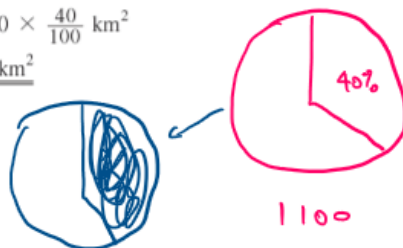
Solution

Total area of country parks in Hong Kong

$$= (1\,100 \times 40\%) \text{ km}^2$$

$$= 1\,100 \times \frac{40}{100} \text{ km}^2$$

$$= \underline{440 \text{ km}^2}$$



$$p = w \times a\%$$

Let area of country park is $x \text{ km}^2$

$$x = 1100 \times 40\%$$

$$x = 440 \text{ km}^2$$

永久的黑板

5.1 Simple Problems Involving Percentages

1A Chapter 5

Example 3

Level 2

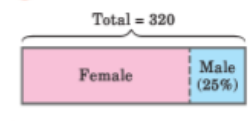
There are 320 staff in a company. 25% of them are male.

(a) Find the number of female staff.

(b) If 60% of the female staff are married, find the number of married female staff.

Solution

(a) **Diagram Clue**



$$\text{Number of male staff} = 320 \times 25\%$$

$$= 320 \times \frac{25}{100}$$

$$= 80$$

$$\text{Number of female staff} = 320 - 80$$

$$= \underline{240}$$

$$(a) p = 320 \times (1 - 25\%)$$

$$(b) p = 240 \times (60\%)$$

老師的筆記可以保存

CH1 Supplementary Example Worksheet

2023年9月23日 下午 12:05



分程度的習作

Name: _____ Class: _____ ()

Supplementary Example Worksheet 1

Supplementary Example 1 Level 1 (P.1.3)

Calculate

(a) $29 + 10 - 12$,

(b) $14 \times 2 \div 7,$

(c) $32 - 16 \div 4$.

Solution

照顧學校差異

← →

Home Insert Draw View Help **Class Notebook**

Distribute Page Distribute New Section Copy to Content Library Review Student Work Create Class Notebook

Distribute Page

Individual Distribution

Group Distribution

Cross Notebook Distribution

Delete Page

Lesson Wor... Ch5 Challenging Workshe...

Supplemen... Ch6 Challenging Workshe...

Consolidati...

Challenging...

Teaching Po...

> _教師專用

> 1C 01 Chan S...

> 1C 02 Cheng...

Cheun...

Cheun...

Ch1 Challenging Worksheet

2023年9月20日 上午 08:06

個別分派習作

Name: _____ Class: _

1 Basic Computation

Challenging

1. There are 25 machines in a factory. Each machine produces 1000 units of product. If 5 of the machines does not work properly, how many units of product need to produce in average?

照顧學校差異

Ch1 Challenging Worksheet

2023年9月20日 上午 08:06

分程度的習作

Name: _____ Class: _____ ()

1 Basic Computation

Challenging Worksheet 1



1. There are 25 machines in a factory. Each machine needs to produce 600 items for an order. If one of the machines does not work properly, how many extra items does each of the remaining machines need to produce in average?

Solution

Total number of items produced

=

照顧學校差異



學生評估資料庫（STAR）

開始使用

[← 返回](#)



沒有帳戶？立即創建一個新帳戶不用一分鐘 [申請帳號](#)

登入名稱

 電郵 / 登入名稱

帳戶密碼

 輸入密碼



[忘記密碼](#)

登入



事前準備

學校資料

學生帳戶

更新學生帳戶

上載學生帳戶名單

批量重設帳戶登入憑證

校本教師帳戶

職員帳戶

步驟

- 1 下載全校學生帳戶「XLSX」檔案，或者在 WebSAMS 執行「SQL」指令，以下載全校學生帳戶資料。

在已下載的全校學生名單內：

- 加入新入學學生資料，例如小一或中一學生資料
- 加入自訂的登入名稱、預設密碼，或學校電郵等
- 如沒有提供新入學學生的登入名稱，本系統將會為新學生自訂登入名稱
- 更新現有學生資料，例如所屬班級
- 刪除已離校學生資料

- 2 上載已更新的「XLS/XLSX」檔案

- 3 預覽上載結果

- 4 完成新增學生程序

學校帳戶管理員的常用電郵地址 () 將會收到有關上載學生檔案的通知，他 或 她亦可登入本系統查閱全校學生檔案。

收集個人資料聲明

教城已制定收集和使用個人資料的政策，閣下有權查閱及改正教城所持關於閣下的個人資料，詳情請瀏覽 [私隱政策聲明](#)，或向本公司職員查詢。

開始

事前準備



≡ 學校帳戶管理系統

📖 學校資料

🎓 學生帳戶

✎ 更新學生帳戶

📄 上載學生帳戶名單

🔒 批量重設帳戶登入憑證

👥 校本教師帳戶

👤 職員帳戶

批量重設帳戶登入憑證

* 請揀選所需級別 或 班別，並按下本頁末端的「重設密碼」。系統將重設相關帳戶的密碼為「預設密碼」。

選擇重設密碼的級別 或 班別：

☒ 全部


- | | | | | | | |
|--|---|---|---|---|---|---|
| <input checked="" type="checkbox"/> S1 | <input checked="" type="checkbox"/> S1A | <input checked="" type="checkbox"/> S1B | <input checked="" type="checkbox"/> S1C | <input checked="" type="checkbox"/> S1D | <input checked="" type="checkbox"/> S1E | |
| <input checked="" type="checkbox"/> S2 | <input checked="" type="checkbox"/> S2A | <input checked="" type="checkbox"/> S2B | <input checked="" type="checkbox"/> S2C | <input checked="" type="checkbox"/> S2D | <input checked="" type="checkbox"/> S2E | |
| <input checked="" type="checkbox"/> S3 | <input checked="" type="checkbox"/> S3A | <input checked="" type="checkbox"/> S3B | <input checked="" type="checkbox"/> S3C | <input checked="" type="checkbox"/> S3D | <input checked="" type="checkbox"/> S3E | |
| <input checked="" type="checkbox"/> S4 | <input checked="" type="checkbox"/> S4A | <input checked="" type="checkbox"/> S4B | <input checked="" type="checkbox"/> S4C | <input checked="" type="checkbox"/> S4D | <input checked="" type="checkbox"/> S4E | <input checked="" type="checkbox"/> S4F |
| <input checked="" type="checkbox"/> S5 | <input checked="" type="checkbox"/> S5A | <input checked="" type="checkbox"/> S5B | <input checked="" type="checkbox"/> S5C | <input checked="" type="checkbox"/> S5D | <input checked="" type="checkbox"/> S5E | <input checked="" type="checkbox"/> S5F |
| <input checked="" type="checkbox"/> S6 | <input checked="" type="checkbox"/> S6A | <input checked="" type="checkbox"/> S6B | <input checked="" type="checkbox"/> S6C | <input checked="" type="checkbox"/> S6D | <input checked="" type="checkbox"/> S6E | <input checked="" type="checkbox"/> S6F |

事前準備


← → ↻ 🔒 edcity.hk/home/en/ ⌂ ☆ 🌐 01 ⚙️ 📺 M Paused ⋮

EdCity Teacher Student (Sec) Student (Pri) Parent


香港教育城 HKedCity 🔍 ☰



Teacher



Secondary Student



Primary Student

● ●

進入平台

EdCity

Teacher

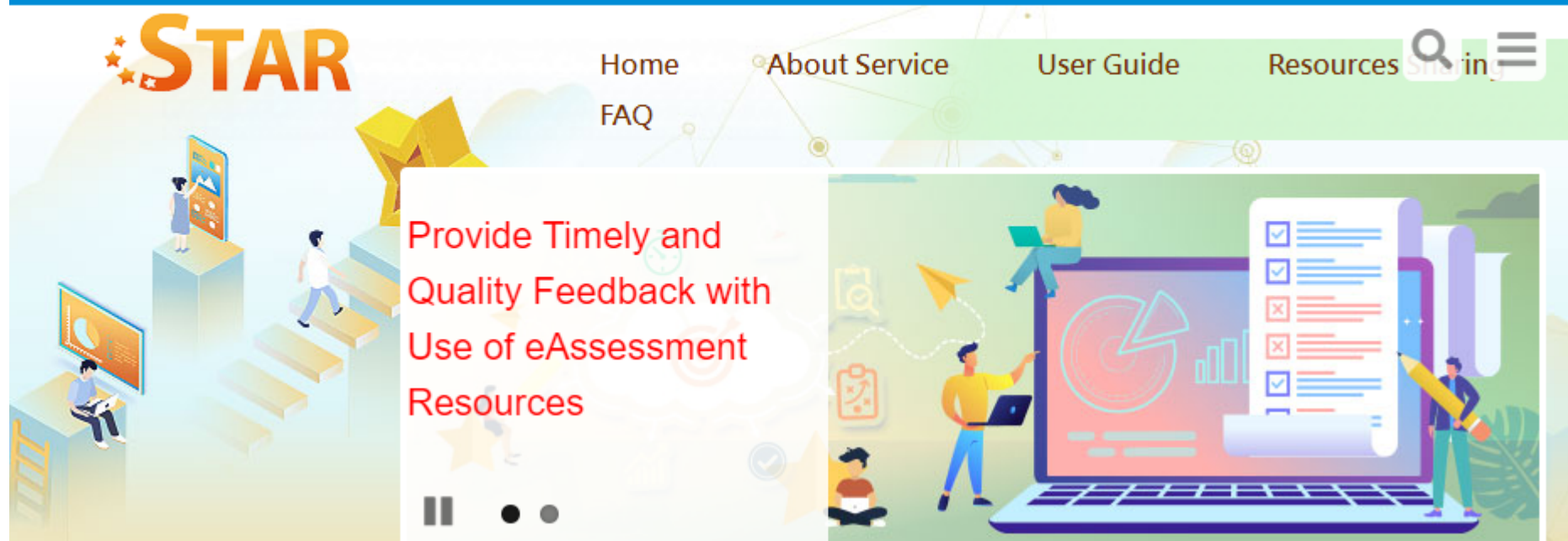
Student (Sec)

Student (Pri)

Parent



進入平台



Home

A A A

Progressively Covering Full Curriculum Persistently Enhancing Platform Features

STAR is an online assessment item bank with more than 65 000 assessment items covering the subjects of Chinese Language, English Language and Mathematics from Primary 1 to Secondary 3. With a view to enhancing learning and teaching effectiveness, catering for students' learning diversity as well as strengthening assessment for Learning and assessment literacy in an on-going manner, the coverage of the platform has been extended progressively from Basic Competencies to Full Curriculum of Chinese Language, English Language and

➤ ENTER
STAR

 What's New

進入平台

請選擇科目



關於 STAR | 最新消息

進入平台

Question coverage

Question coverage

☒ Full curriculum

☐ Basic competency

[Remarks: Sets of Basic Competence (BC) descriptors based on the Curriculum Guide released in 2017.]

Cancel

Confirm

coverage

進入平台

Add question(s) to paper

Select the number of questions or the duration for the task.

Number of question(s)

☒ Or Estimated duration (minutes)



The learning objectives underlined are the Non-foundation Topics

+ ☒ KS1

+ ☒ KS2

- ☒ KS3

+ ☒ Number and Algebra

+ ☒ Measures, Shape and Space

+ ☒ Data Handling

Search criteria

Selected Items: 426

- OR 5.1: understand the concept of percentage changes ✕
- OR 5.2: solve related real-life problems ✕
- OR 6.1: understand the concepts of rates, ratios and proportions ✕
- OR 6.2: solve problems involving rates, ratios and proportions ✕
- OR 7.1: represent word phrases by algebraic expressions ✕
- OR 7.2: represent algebraic expressions by word phrases ✕
- OR 7.3: recognise the concept of sequences of numbers ✕

Level of difficulty



Any



Low



Medium



High

Use keyword(s) / question code / question name to focus your search

Example: peak

Question coverage



Full curriculum

建立試卷

There are 1564 matched question(s), in which 0 have been bookmarked

Search bookmarks

Search all

Add question(s) to paper

Select the number of questions or the duration for the task.

Number of question(s)

☒ Or Estimated duration (minutes) ☐

+ ☒ KS1

+ ☒ KS2

+ ☒ KS3

Search criteria

Selected BC descriptors: [218](#)

- KS1-N1-1: Demonstrate a recognition of places (units place to ten thousands place), involving reading, writing and ordering numbers up to 5 digits. ✕
- [OR](#) KS1-N2-1: Perform addition and subtraction of three 3-digit numbers at most, and use the commutative and associative properties of addition (not involving using brackets, performing addition with carry in three steps and performing mixed operations). ✕
- [OR](#) KS1-N2-2: Perform multiplication and division of three numbers at most, and use the commutative and associative properties of multiplication. ✕

Level of difficulty

☒ Any ☐ Low ☐ Medium ☐ High

Question coverage

☐ Full curriculum
☒ Basic competency

[Remarks: Sets of Basic Competence (BC) descriptors based on the Curriculum Guide released in 2017.]

Enter a name to focus your search

建立試卷

There are [8601](#) matched question(s), in which 0 have been bookmarked.

Search bookmarks

Search all

Add question(s) to paper

Select the number of questions or the duration for the task.

Number of question(s)

☒ Or Estimated duration (minutes) ☐

+ ☐ KS1

+ ☐ KS2

- ☒ KS3

- ☐ Number and Algebra

+ ☐ Basic computation

+ ☒ Directed numbers

+ ☐ Approximate values and numerical estimation

+ ☐ Rational and irrational numbers

+ ☐ Using percentages

+ ☐ Rates, ratios and proportions

ic expressions

equations in one unknown

Search criteria

Selected BC descriptors: 3

- KS3-NA02-1: demonstrate recognition of the ordering of integers on the number line. ✕
- OR KS3-NA02-2: use positive numbers, negative numbers and zero to describe situations such as profit and loss, floor levels relative to the ground level, temperature, etc. ✕
- OR KS3-NA02-3: perform mixed arithmetic operations of directed numbers (with at most three operations in each expression). ✕

Level of difficulty

☒ Any ☐ Low ☐ Medium ☐ High

Use keyword(s) / question code / question name to focus your search

Example: peak

There are 66 matched question(s), in which 0 have been bookmarked.

Search bookmarks

Search all

建立試卷

Select question >

Number of question(s): 5 ; Added question(s): 0

Choose the rest randomly

Bac

66 results found

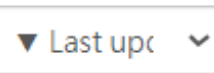


1

/ 7



Sort by



▼ Last up

Results/Page

10



Add selected (1)

Select all



Question code: ME9BN1660

Key stage: KS3

Basic competency: ▶ KS3-NA02-3

Duration: 1 mins

Level of difficulty: Low

Attachments: [Marking scheme](#)

Preview



Bookmark:



+ Add to selection

Question code: ME9T22N020

Key stage: KS3

Basic competency: ▶ KS3-NA02-1

Duration: 1 mins

Level of difficulty: N/A

Remark: Item with "Overall Correct Percentage"

Source of question: TSA 2022

Preview



Bookmark:



+ Add to selection

建立試卷

Select question >

Number of question(s): 5 ; Added question(s): 0

Choose the rest randomly

Bac

66 results found



1

/ 7



Sort by

▼ Last up

Results/Page

10



Add selected (1)

Select all



Question code: ME9BN1660

Key stage: KS3

Basic competency: ▶ KS3-NA02-3

Duration: 1 mins

Level of difficulty: Low

Attachments: [Marking scheme](#)

Preview



Bookmark:



+ Add to selection

Question code: ME9T22N020

Key stage: KS3

Basic competency: ▶ KS3-NA02-1

Duration: 1 mins

Level of difficulty: N/A

Remark: Item with "Overall Correct Percentage"

Source of question: TSA 2022

Preview



Bookmark:



+ Add to selection

建立試卷

Question content

Question code

ME9BN1660

Subject

Mathematics

Close

Check answers

Show suggested answers

Reset

Fill in the boxes with correct signs.

$$2(3) = \text{[dropdown menu]} 6$$

$$2(-3) = \text{[dropdown menu]} 6$$

$$-2(3) = \text{[dropdown menu]} 6$$

$$-2(-3) = \text{[dropdown menu]} 6$$

建立試卷

Check answers

Show suggested answers

Reset

2.1: understand the concept of directed numbers

Question No.: 2-6

Close

Fill in the blanks with "<", ">" or "=" sign.

- (a) 4 ☐ ☒ $+4$
- (b) -5 ☐ ☒ $+5$
- (c) 1 ☐ ☒ 3
- (d) -1 ☐ ☒ -3
- (e) 0 ☐ ☒ $+2$
- (f) 0 ☐ ☒ -2
- (g) -5 ☐ ☒ -7
- (h) -5 ☐ ☒ $+7$

Calculate $0.72 \div \left(10.2 - \left(5 - \frac{6}{7}\right) \div \frac{3}{7}\right)$.

Answer:

(The answer box can be converted to a blank or blanks in fraction format by pressing the button.)

Question content

Question code ME9T22N020

Subject Mathematics

Close

Check answers

Show suggested answers

Reset

Write down the numbers represented by A , B and C on the number line below.



Answer:

$A =$

B

C

0	1	2	3
4	5	6	7
8	9	+	-
✓	×	←	

FORMULAS FOR REFERENCE

建立試卷

Question content

Question code ME9T17N080

Subject Mathematics

Close

Check answers

Show suggested answers

Reset

Miss Chan bought N dozens of pencils. After she took away 3 pencils, the remaining could be equally divided among p students. How many pencils could each student get?

A. $\frac{12(N - 3)}{p}$

B. $\frac{12N - 3}{p}$

C. $\frac{12N}{p} - 3$

D. $\frac{N - 3}{p}$

建立試卷

Selected question(s)

Number of question(s) selected: 1 (0 mins 30 secs)

Remove selected

Select all

☐

Question code: ME9T17N350

Key stage: KS3

Basic competency: ▶ KS3-NA07-3

Duration: 0 mins 30 secs

Level of difficulty: Medium

 Preview

☐

Bookmark:

☐

↑ Up

↓ Down

↑ ↑ First

↓ ↓ Last

✕ Remove

Save

Continue

Cancel

建立試卷

Selected question(s)

Number of question(s) selected: 1 (0 mins 30 secs)

Remove selected

Select all

☐

Question code: ME9T17N350

Key stage: KS3

Basic competency: ▶ KS3-NA07-3

Duration: 0 mins 30 secs

Level of difficulty: Medium

 Preview

☐

Bookmark:

☐

↑ Up

↓ Down

↑↑ First

↓↓ Last

✕ Remove

Save

Continue

Cancel

建立試卷

Available time

※ EdCity service will be suspended from 23 Dec 2023 00:00 MN to 25 Dec 11:00 PM due to the relocation of data centre. Please accept our apology for the inconvenience caused. ([Read more ...](#))

Start time

2023-12-06 00:00

End time

2023-12-17 00:00

Other settings

No. of submission by students



1

Time(s) ☐ Unlimited

Students can view individual
report



After end time



After submission

Students must answer all
questions



Yes



No

[Learn more about settings](#)

Previous

Save

Save and publish

Cancel



Hello, Cheng Man Kin

中文

Logout

Help

Download

Subject

Mathematics

2.1: understand the concept of directed numbers

Close

Publish date 2023-10-04 13:22

Start time 2023-10-05 08:00

End time 2023-10-10 08:00

Question contexts Full curriculum (2017)

Result detail Paper Analysis (All Students)

Class	-	Status	Submitted (29)	Student answer	Hide/Show answers	Download																														
Class - No. ▲	Name	Status	Correct total (student)	Feedback total (pending)	Trials	1-1	1-2	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	3-1	3-2	3-3	4-1	4-2	5-1	5-2	5-3	6-1	6-2	6-3	6-4	7-1	7-2	7-3	7-4	8	9	10-1	10-2	10-3
S1C - 1	e	Submitted	29	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	+400	-250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-4.5	0	0.5	-4.5
S1C - 2	ving	Submitted	29	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-3.5	-0.5	0.5	-4.5
S1C - 3	Ho	Submitted	27	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	3	4	0	-2	-5, -3, 0, +1, 2, 3	-2	0	0.5	-4.5
S1C - 4	Oi	Submitted	29	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	-1	-3	-5, -3, 0, +1, 2, 3	-4.5	0	0.5	-4.5
S1C - 5	ji Yi	Submitted	31	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-4.5	0	0.5	-4.5
S1C - 6	uk	Submitted	30	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	120	40	0	-40	3	4	0	-2	-5, -3, 0, +1, 2, 3	-3.5	0	0.5	-4.5
S1C - 7	Sze	Submitted	31	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-4.5	0	0.5	-4.5
S1C - 8		Submitted	26	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-3, -5, 0, +1, 2, 3	-3.5	0	0.5	-4.5
S1C - 9	en	Submitted	27	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-3.5	0	0.5	-4.5
S1C - 10	hing	Submitted	28	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	+400	-250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-4	0	0.5	-4.5
S1C - 11	liu	Submitted	25	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	+400	-250	3	-1	-4	+120	0	-40	-80	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-4.5	0	-0.5	-4.5

Note

1	2.1	understand the concept of directed numbers
---	-----	--

報告

2.1: understand the concept of directed numbers

Close

Publish date 2023-10-04 13:22

Start time 2023-10-05 08:00

End time 2023-10-10 08:00

Question contexts Full curriculum (2017)


Result detail Paper Analysis (All Students)

Class - Status Submitted (29) Student answer Hide/Show answers Download

Class - No. ▲	Name	Status	Correct total (student)	Feedback total (pending)	Trials	1-1	1-2	2-1	2-2	2-3	2-4	2-5	2-6	2-7	2-8	3-1	3-2	3-3	4-1	4-2	5-1	5-2	5-3	6-1	6-2	6-3	6-4	7-1	7-2	7-3	7-4	8	9	10-1	10-2	10-3
S1C - 1	e	Submitted	29	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	+400	-250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-4.5	0	0.5	-4.5
S1C - 2	ving	Submitted	29	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-3.5	-0.5	0.5	-4.5
S1C - 3	Ho	Submitted	27	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	3	4	0	-2	-5, -3, 0, +1, 2, 3	-2	0	0.5	-4.5
S1C - 4	Oi	Submitted	29	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	-1	-3	-5, -3, 0, +1, 2, 3	-4.5	0	0.5	-4.5
S1C - 5	ji Yi	Submitted	31	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-4.5	0	0.5	-4.5
S1C - 6	uk	Submitted	30	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	120	40	0	-40	3	4	0	-2	-5, -3, 0, +1, 2, 3	-3.5	0	0.5	-4.5
S1C - 7	Sze	Submitted	31	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-4.5	0	0.5	-4.5
S1C - 8		Submitted	26	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-3, -5, 0, +1, 2, 3	-3.5	0	0.5	-4.5
S1C - 9	en	Submitted	27	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	-400	+250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-3.5	0	0.5	-4.5
S1C - 10	hing	Submitted	28	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	+400	-250	3	-1	-4	+120	+40	0	-40	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-4	0	0.5	-4.5
S1C - 11	liu	Submitted	25	0	1	+2000	-1500	=	<	<	>	<	>	>	<	+150	-30	0	+400	-250	3	-1	-4	+120	0	-40	-80	+3	+4	0	-2	-5, -3, 0, +1, 2, 3	-4.5	0	-0.5	-4.5

Note


1 2.1 understand the concept of directed numbers

 edpuzzle

Search or paste YouTube URL

+ Add Content

?




[← Video Assignment](#)

[Edit assigned video](#)

[View as a student](#)

[...](#)



Math Antics - Integer Multiplication &...

By Cheng Man Kin

[Live mode](#)

[Share assignment](#)

[Students](#)

[Questions](#)

Start date

Today 12:00am

Due date


Oct. 9th 11:59pm

☒ ON

 Prevent skipping

☒ ON

 Turn on CCs

 Posted on Microsoft Teams

其他學習平台: 翻轉教室

Wong

Previous

23/30 students

Video watched

60 %

Grade

100 /100

Attempts

1 /1

Correct responses

4 / 4 questions
(4 answered)

Time spent: 3 min

Not turned in

Number of times student watched each section of your video

1	1	1	1	1	1	0	0	0	0
---	---	---	---	---	---	---	---	---	---

00:00 00:31 01:02 01:33 02:04 02:35 03:07 03:38 04:09 04:40 05:11



其他學習平台: 翻轉教室

Forms instant Quiz 5a, 5b (2023-2024 1C Maths) - 已儲存

問題 回應 29 預覽 樣式 收集回應 簡報

3. The height of a boy increases from 120 cm to 150 cm. Find the percentage increase in his height. * (1 點)

☐ A. 20%

☒ B. 25% ✓

☐ C. 30%

☐ D. 80%

4. In a school, 48% of students are girls. If there are 312 boys in the school, find the total number of students. * (1 點)

☐ A. 288

☐ B. 338

☒ C. 600 ✓

其他學習平台: Microsoft Form

20:10 CH1 e-assessment 1c, 1d, 1e (... 2023-2024 1C Maths / 一般

☐ A

☒ B ✓

☐ C

☐ D

✗ 不正確 0/1 點數

2

*

Find the L.C.M. of 3×5^2 and $3^2 \times 5$.

$3^2 \times 5^2 = 225$

正確答案: 225

✓ 正確 1/1 點數

3

*

Give the answers in exact values in the form



Thank you