

Innovative eResources: Let Real Learning Happen

融入電子資源 · 學習油然而生

eREAP 計劃--Mathspace





新生命教育協會呂郭碧鳳中學

NLSI Lui Kwok Pat Fong College



李子偉老師 **LEE TSZ WAI CARL**

任教數學科

學校位於觀塘翠屏邨

基督教津貼英中





8th grade Numbers and operations

3,000 Possible mastery points
Level 1 750 points to Level 2

Skill Summary

Repeating decimals

Square roots & cube roots

Quiz 1: 8 questions

Practice what you've learned, and level up on the above skills

Irrational numbers

Approximating irrational numbers

Unit test

Test your knowledge of all skills in this unit



Repeating decimals

Learn

- ▶ Converting a fraction to a repeating decimal
- ▶ Converting repeating decimals to fractions (part 1 of 2)
- ▶ Converting repeating decimals to fractions (part 2 of 2)
- ▶ Writing repeating decimals as fractions review
- ▶ Writing fractions as repeating decimals review

Practice

Up next for you:

Writing fractions as repeating decimals
Get 5 of 7 questions to level up!

Start

0/100 points

Converting repeating decimals to fractions
Get 5 of 7 questions to level up!

Practice

0/100 points

Converting multi-digit repeating decimals to fractions
Get 3 of 4 questions to level up!

Practice

0/100 points



0/100 points 49% Question 1

3 個一一數、圖、中一一共有幾個愛心？

♥♥♥ ♥♥♥ ♥♥♥ ♥♥♥

① 11 個 ② 12 個 ③ 13 個 ④ 14 個

ANS: 1

Error report

Quit

Monster

Owner: none



領土排名

Leung, Kam ...

Hiu Tung, Le...

Wong, Kai C...



 A計劃資源

Brain
POP[®]

Brain
POP
jr.

Brain
POP
ELL[™]


EnglishCentral


Learnlex[™]


MATHSPACE


Twig

Mathspace

基本資料 用戶手冊 學校分享 工作坊 常見問題 參考資源

學習階段

◆ 小四至小六 ◆ 中一至中三 ◆ 中四至中六

學習領域

◆ 數學教育



簡介：著重運算思維的互動數學應用程式

Mathspace 內容配合本港課程，重視學生運算和思考的過程。運算提示和即時回饋功能有助學生掌握學習策略，且有 Adaptive Task 提供個人化的學習過程，照顧學習差異。平台亦備有手寫識別功能及運算符號快速鍵，讓完成數學題目變得充滿樂趣。

Mathspace 學與教特色

- 使用介面：教師Planner介面設計簡便，有助教師輕鬆管理教學進度
- 不同評估模式：不同評估模式，增加學與教的互動，讓教師可合適時調整教學策略，配合不同教學階段需要：
 - Adaptive Task 可隨個別學生作答情況即時調整學習難度
 - Custom Task 教師可選取不同課題及題目，用作設定測驗或功課
 - Fast Track Task 可用作重溫數個課題

Mathspace

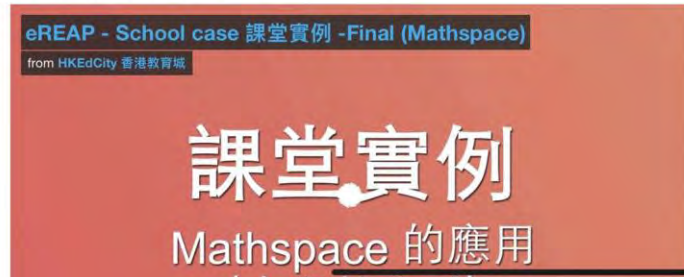
基本資料 用戶手冊 學校分享 工作坊 常見問題 參考資源

eREAP 2019/20簡介會

講者：基督書院資訊科技教育組主任謝禮彬老師



Mathspace 課堂實例 (中學數學科)





Class S3-D

Planner

Curriculum

Templates

Mastery

Grades

Admin



You can now filter student grades by date

New grades report

Calendar

List View

Shared Exercises

Weekly Insights

Create Task

November, 2019



MON	TUE	WED	THU	FRI	SAT	SUN
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17

Task type

Adaptive - Mathspace chooses questions



Custom - Pick the questions



Fast-track - Adaptive assessment



Assign to 

S3-D 

Start Date 

2:27 pm Tuesday 26 November 2019



Due Date

5:00 pm Wednesday 27 November 2019





Final Grades

Download (raw)

Download (table)

Next 5

Indices > Simplify
expressions using multiple
index laws with variable
bases

Name

Probability

probability 6BC

Factorization > Non-monic
quadratic trinomials

index negative

N/A

N/A

0

N/A

0

54%

59%

64

91%

64

25%

90%

56

91%

64

57%

59%

56

82%

64

74%

63%

66

76%

64

41%

41%

64

67%

64

76%

49%

64

89%

64

76%

76%

64

86%

60

75%

63%

64

74%

64

CSV Export



Your CSV report is currently being generated. A link to the report is on its way to your inbox (ltw@lkpfc.edu.hk). Please note that this might take up to an hour.

index negative

Custom Task Details

[Duplicate Task](#) [Start Task](#) [Save to Task Templates](#) [Edit Dates](#) [Print Preview](#) [Delete](#)

Start Date: 8:57 a.m. Monday 9 September 2019

Due Date: 5 p.m. Tuesday 10 September 2019

Expiry Date: 5 p.m. Tuesday 17 September 2019

Shareable Link: <http://mathspace.co/student/tasks/TopicCustomTask-243519/>

Results by Student

[Refresh](#)

Name	Time	Grade	Progress	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18
[blurred]	0m	-	0/18																		
[blurred]	41m	91%	18/18	✓	✓	⚠	✓	✓	✓	✓	⚠	✓	✓	✓	⚠	✓	✓	✓	⚠	⚠	✓
[blurred]	25m	91%	18/18	✓	⚠	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	⚠	✓	⚠
[blurred]	28m	82%	18/18	⚠	✓	✓	⚠	✓	⚠	✓	✓	✓	✓	✓	✓	✓	✓	✓	⚠	✓	⚠
[blurred]	14m	76%	18/18	✓	✓	✓	✓	✓	✓	✓	⚠	✓	✓	✗	✓	✓	✓	✓	✗	✗	⚠
[blurred]	50m	67%	18/18	✓	⚠	✓	✗	✓	✓	✓	⚠	✓	✓	✗	⚠	✗	✓	✓	✓	✗	⚠
[blurred]	18m	89%	18/18	✓	⚠	⚠	✓	⚠	✓	⚠	✓	✓	✓	⚠	✓	✓	✓	✓	⚠	✓	✓





Simplify the expression $(-9^{-19}) \div 9^{27}$, giving your answer in index form.

$$(-9^{-19}) \div 9^{27} =$$

\pm \times \div $\frac{a}{b}$ $\sqrt{\quad}$ π ∞ a^b $\frac{a}{b}$



1

2

3

4

5

6

7

8

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10

11

11

Simplify the expression $(-7^{-19}) \div 7^{26}$, giving your answer in index form.


$(-7^{-19}) \div 7^{26} = -823\,543$

$(-7^{-19}) \div 7^{26} = -7^7$

$(-7^{-19}) \div 7^{26} = -7^{45}$

INPUT ERROR


You didn't give us anything to mark. 😊

Requested a hint 

$(-7^{-19}) \div 7^{26} = \frac{1}{7^{45}}$

INPUT ERROR

You didn't give us anything to mark. 😊

Requested a hint 

$(-7^{-19}) \div 7^{26} = \frac{1}{7^{45}}$

$(-7^{-19}) \div 7^{26} = -\frac{1}{7^{45}}$

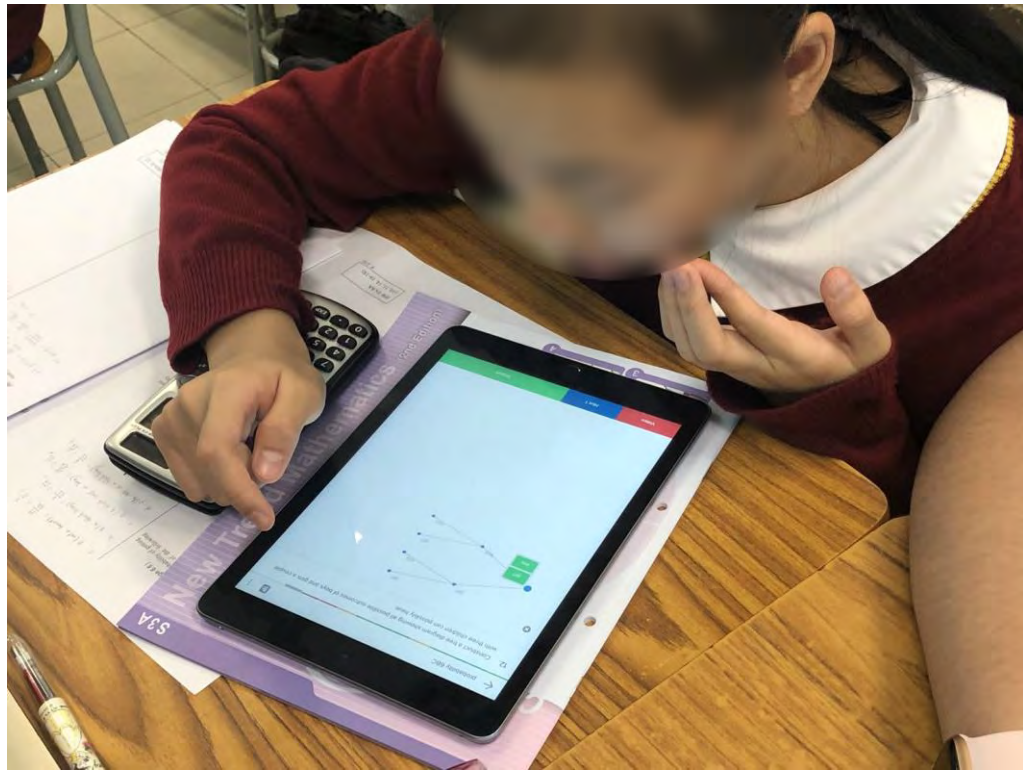
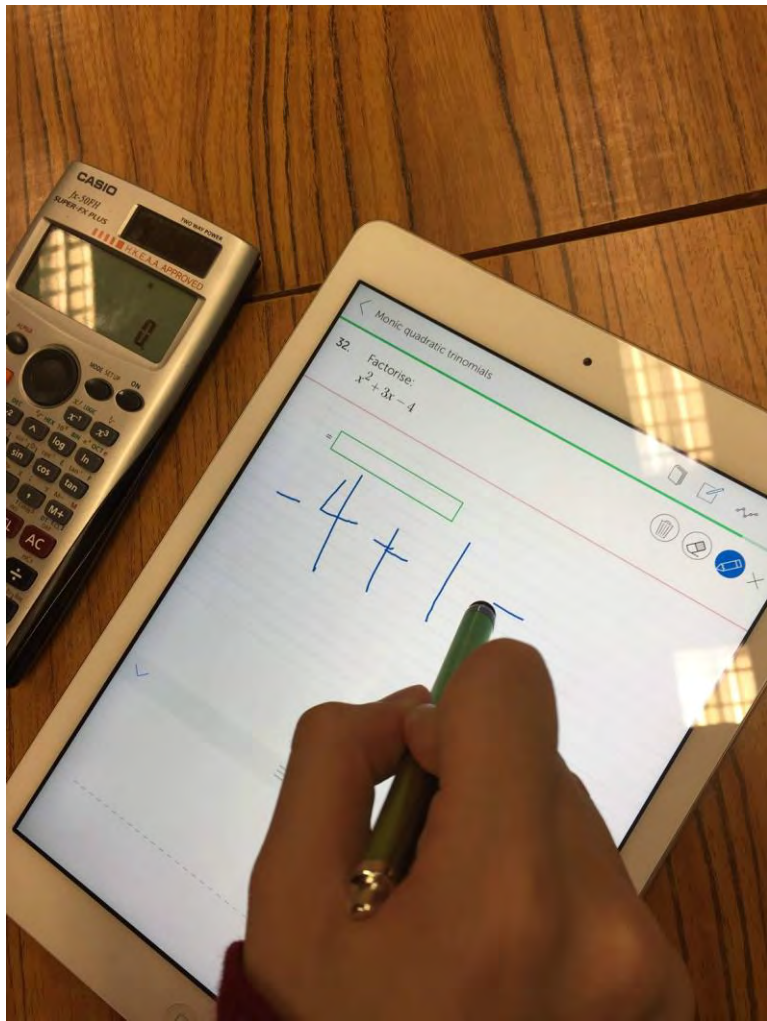


Results by Question

Refresh

Q #	Question	Participation Rate	Average Result
Q14	Evaluate the following expression: $-5 \times 4^{-5} \times 4^6$.	90%	88%
Q15	Evaluate $(6^0)^{-8}$.	90%	93%
Q16	Simplify the following into the form $\frac{1}{a^b}$: $((-5)^{-10})^5$	90%	49%
Q17	Simplify the following into the form a^b : $(5^{-7})^{10} \times 5^{-9}$	84%	53%







問題 回覆 48

mathspace 問卷調查

表單說明

class *

3C

3D



問題

回覆

48

48 則回應



摘要

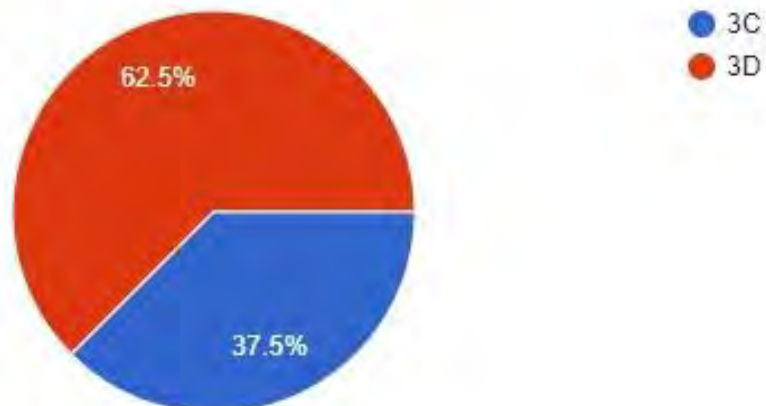
個別

接受回應



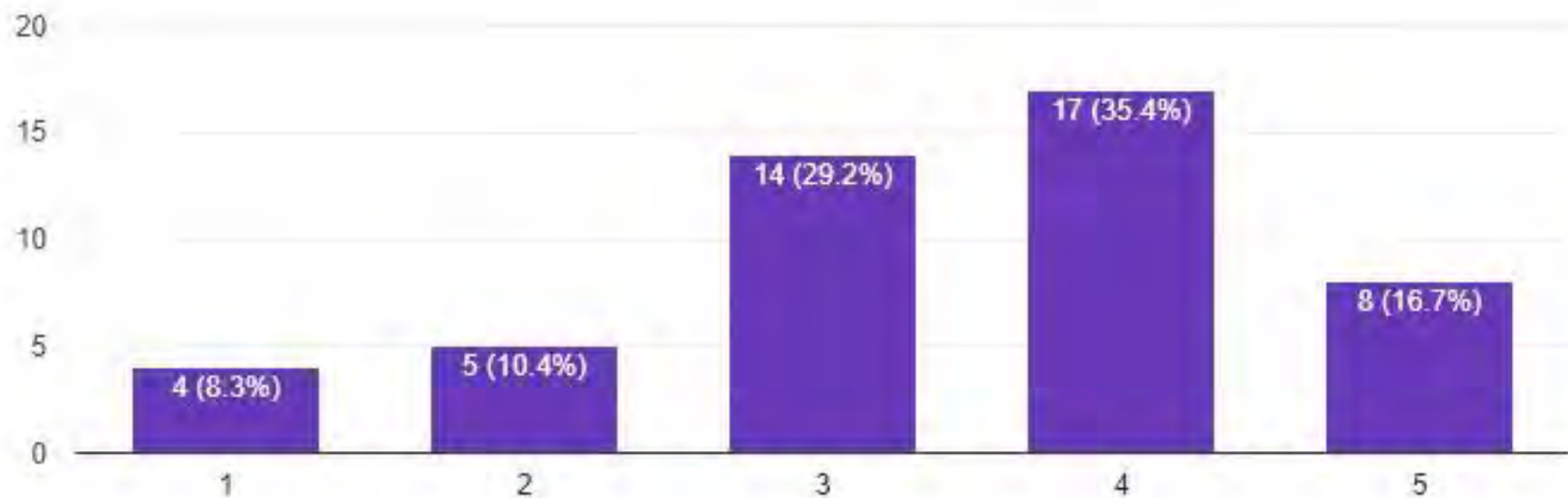
class

48 則回應



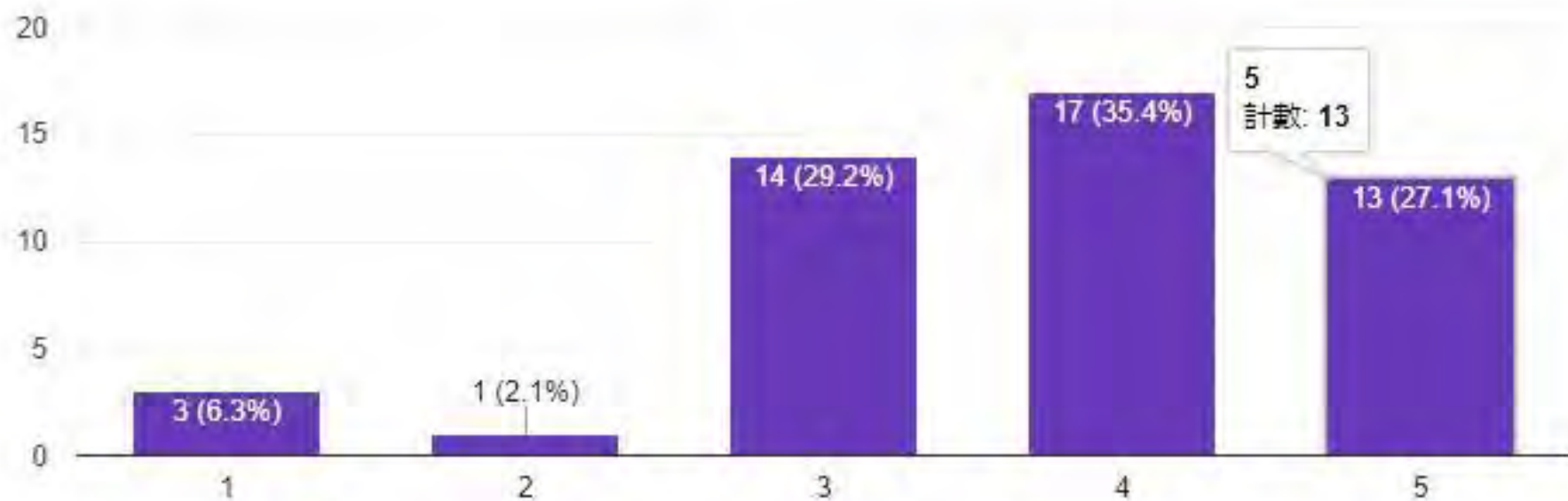
MATHSPACE 介面使用方便

48 則回應



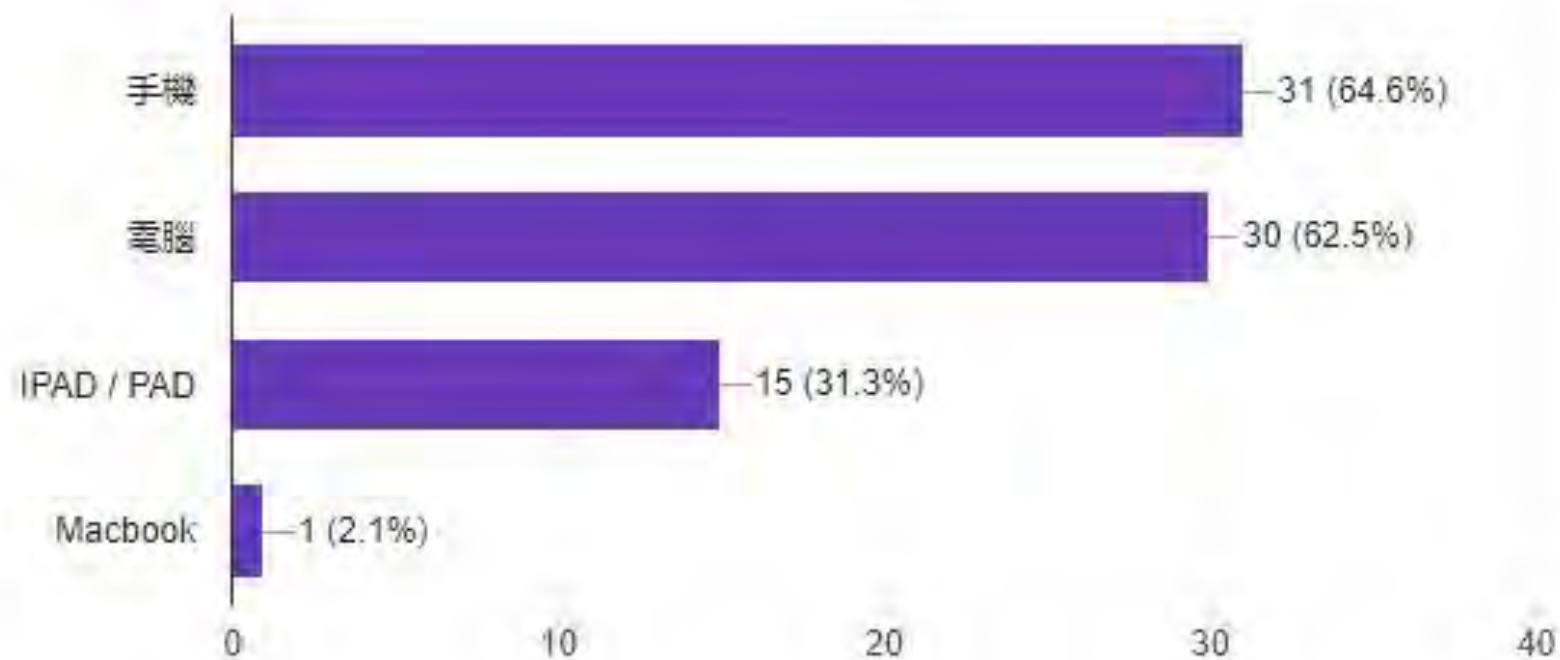
MATHSPACE 有助我學習數學

48 則回應



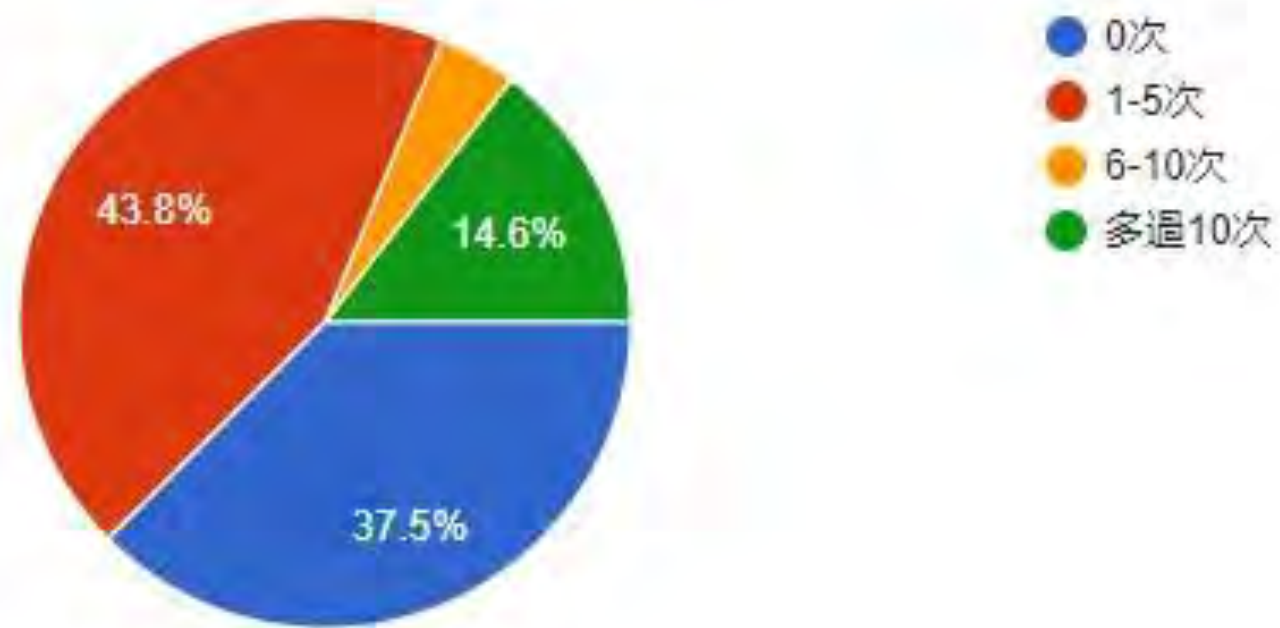
在家做MATHSPACE 通常是透過

48 則回應



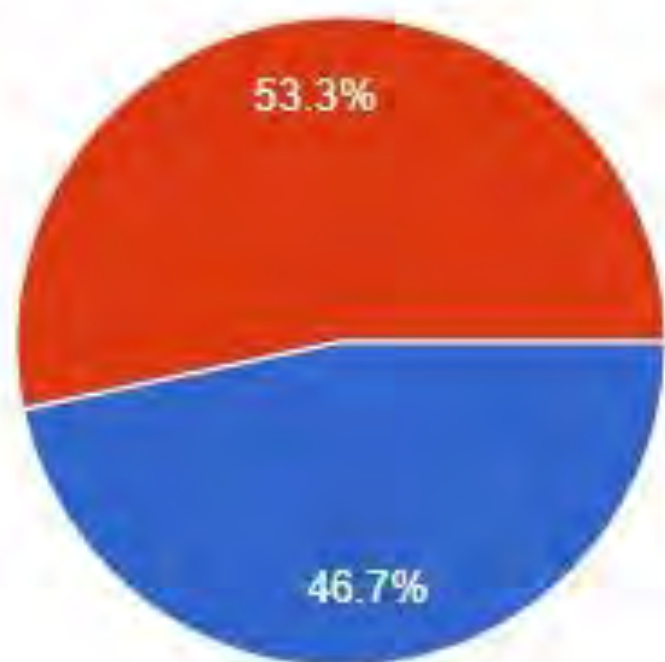
我看過MATHSPACE 內的影片次數

48 則回應



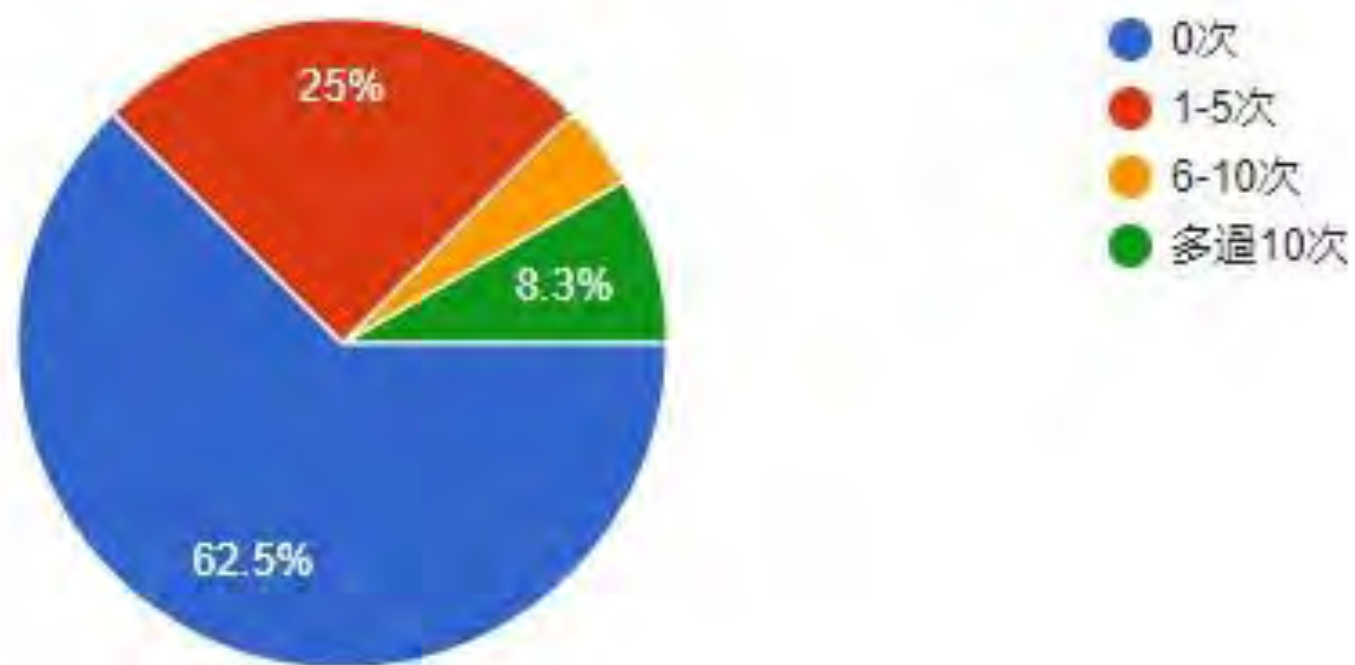
承上題，我覺得影片對我有幫助

45 則回應



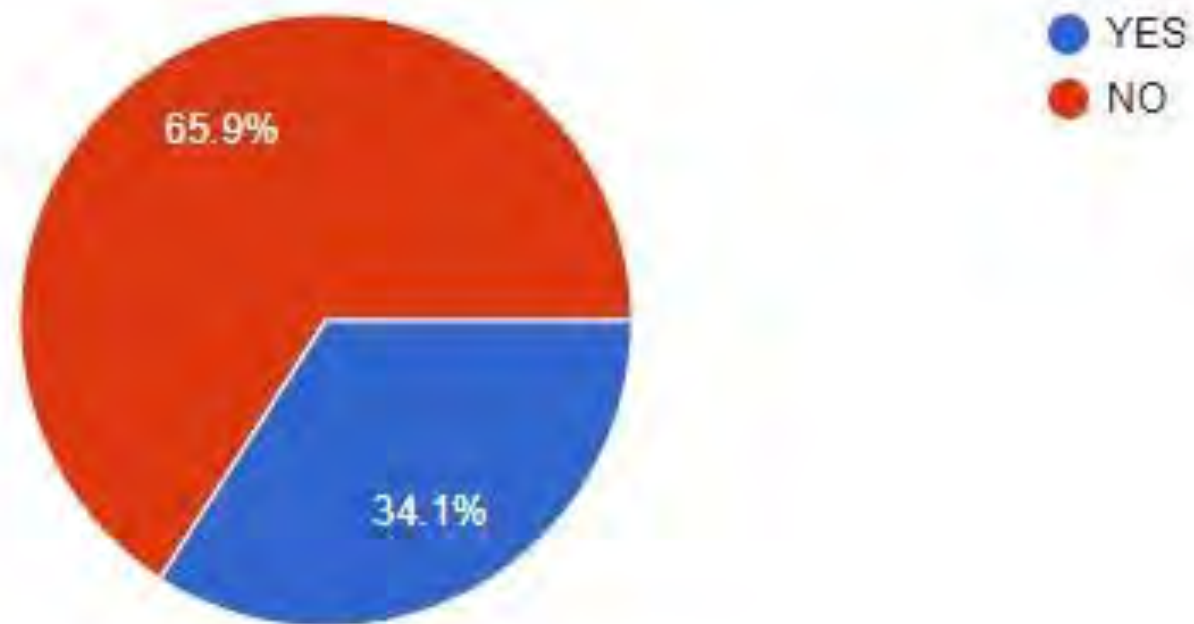
我看過MATHSPACE 內的電子書次數

48 則回應



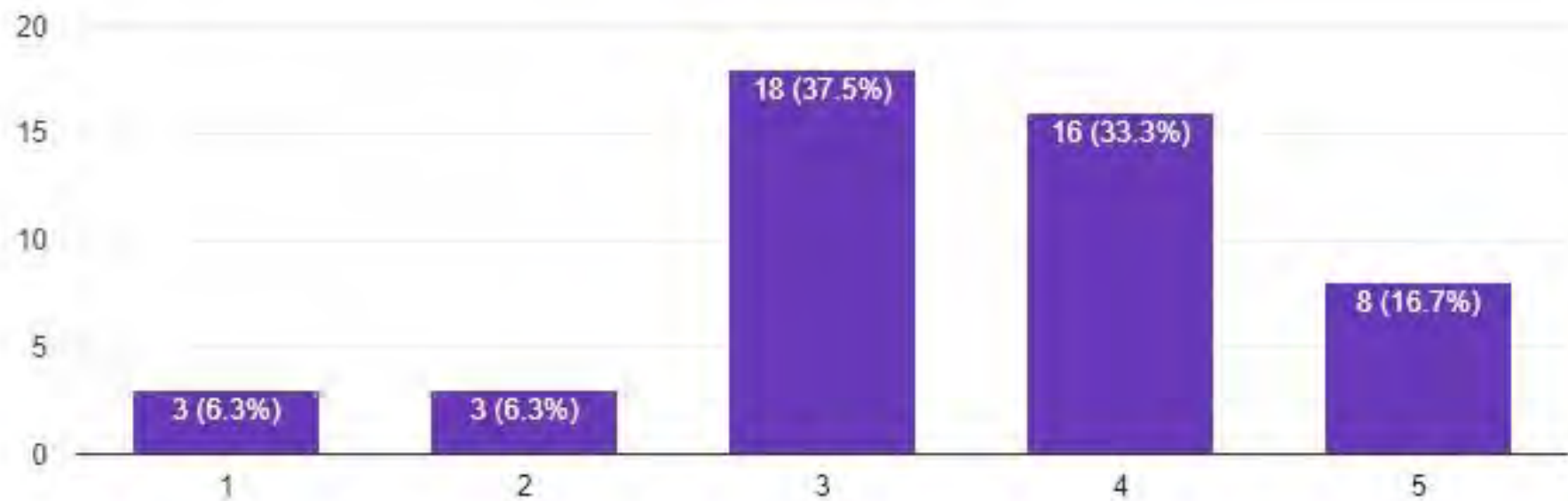
承上題，我覺得電子書對我有幫助

44 則回應



整體而言, 我喜歡使用MATHSPACE

48 則回應



好 😊 十分方便，另類的學習增加我對數學的興趣
建議繼續使用 No reason
f1-3 students must do 能幫助我學數學
非常好，希望繼續使用 👍 有用
很好唷～(^O^)/ 比我可以做多d數
能幫助我學習數學

I love
very good
對學習有幫助

完美
對學業十分有幫助，數學成績會因此提升

基本題，打好基礎(。w。)
有数学基础题鞏固知識 免得記性唔好，數學太差會忘

好麻煩 明明做啱都話我錯 🍅 🍅

請改善某些手機無法使用的問題，例如華為青春版本4

佢成日加！我！題！ 🤔

搞到我做十世都做！唔！完！ 🤦

做極都話我錯 結果瘋狂加我題 🍅 🍅

難輸入ans

Mathspace要填到同佢設定嘅答案一模一樣，即使答案正確但都可能會因為同佢設定唔同而錯誤
寫字好煩。。。1會變7--



Find the value of n if $3^n = 81$.




In $2^m \times 3^n = 648$, m and n are whole numbers.

Find the values of m and n .




Express 225 as the product of prime bases in index form.

Final step

Target mastery 

100

Allow early exit after 

- 10 questions
- 20 questions
- 50 questions

Save

This is an index between 0 and 100. It is a measure of Mathspace's level of confidence that the student is ready to move on to the next subtopic. Mathspace combines student performance, number of questions answered and difficulty of questions when determining 'mastery'. A mastery score of 100 will result in Mathspace recommending the student move on to the next subtopic.

16 mins	47
39 mins	10
19 mins	8
1 hr 15 mins	9
20 mins	9
1 hr 21 mins	30
20 mins	11
20 mins	11
9 mins	9
28 mins	9
6 mins	9



29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

Achieved: 66 mastery out of 60 target

42

Factorise the trinomial:

$$2x^2 - 16x + 14$$

$$\otimes \quad 2x^2 - 16x + 14 = (x - 7)(x - 1)$$

...

$$\checkmark \quad 2x^2 - 16x + 14 = 2(x - 7)(x - 1)$$

...



1

2

3

4

5

6

7

8

9

Achieved: 64 mastery out of 60 target

9

Factorise $-15x^2 + 11x + 12$.

$$\otimes \quad = (5x + 3)(3x - 4)$$

...

$$\checkmark \quad = -(5x + 3)(3x - 4)$$

...



Upcoming tasks

[View all tasks](#)



You have no incomplete tasks coming up

Explore on your own

[View all topics](#)

STEM STORIES

The father of algebra

Muhammad al-Khwarizmi wrote the first textbook on al-jabr, or "rejoining", which we know today as algebra. The word algorithm is derived from his name.



RECOMMENDED SUBTOPICS



Linear Equations I
The Number Plane



Directed Numbers
Representation of directed ...



Leaderboard



1



2



3



4



5





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NLSI Lui Kwok Pat Fong College



李子偉老師

LEE TSZ WAI CARL

email : ltw@lkpfc.edu.hk

twitter : @leetszwai

