New York State

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EDUCATION DEPARTMENT
Knowledge › Skill › Opportunity

New York State Testing Program
Grade 5
Mathematics Test
(Chinese Traditional)

Released Questions

2025

New York State administered the Mathematics Tests in Spring 2025 and is making approximately 75% of the questions from these tests available for review and use.

New York State Testing Program
Grades 3–8 Mathematics

Released Questions from 2025 Exams

Background

As in past years, SED is releasing large portions of the 2025 NYS Grades 3–8 English Language Arts and Mathematics test materials for review, discussion, and use.

For 2025, included in these released materials are at least 75 percent of the test questions that appeared on the 2025 tests (including all constructed-response questions) that counted toward students' scores. Additionally, SED is also providing a map that details what each released question measures and the correct response to each question. These released materials will help students, families, educators, and the public better understand the tests and the New York State Education Department's expectations for students.

Understanding Math Questions

Multiple-Choice Questions
Multiple-choice questions are designed to assess the New York State P–12 Next Generation Learning Standards for Mathematics. Mathematics multiple-choice questions will be used mainly to assess standard algorithms and conceptual standards. Multiple-choice questions incorporate both the grade-level standards and the "Standards for Mathematical Practices." Many questions are framed within the context of real-world applications or require students to complete multiple steps. Likewise, many of these questions are linked to more than one standard, drawing on the simultaneous application of multiple skills and concepts.

One-Credit Constructed-Response Questions
One-credit constructed-response questions require students to complete a task and provide only their final answer. These one-credit questions will often require multiple steps, assessing procedural skills, as well as conceptual understanding and application. While students may show how they arrived at their final answer, only the final answer will be scored.

Two-Credit Constructed-Response Questions
Two-credit constructed-response questions require students to complete tasks and show their work. These two-credit response questions will often require multiple steps, the application of multiple mathematics skills, and real-world applications. Many of the short-response questions will cover conceptual and application standards.

Three-Credit Constructed-Response Questions
Three-credit constructed-response questions ask students to show their work in completing two or more tasks or a more extensive problem. These three-credit response questions allow students to show their understanding of mathematical procedures, conceptual understanding, and application. Three-credit response questions may also assess student reasoning and the ability to critique the arguments of others. The scoring rubric for all constructed-response questions can be found in the grade-level Educator Guides at https://www.nysed.gov/state-assessment/grades-3-8-ela-and-math-test-manuals.

New York State P–12 Next Generation Learning Standards Alignment

The alignment(s) to the New York State P–12 Next Generation Learning Standards for Mathematics is/are intended to identify the primary analytic skills necessary to successfully answer each question. However, some questions measure proficiencies described in multiple standards, including a balanced combination of procedure and conceptual understanding. For example, two-credit and three-credit constructed-response questions require students to show an understanding of mathematical procedures, concepts, and applications.

These Released Questions Do Not Comprise a "Mini Test"

To ensure it is possible to develop future tests, some content must remain secure. This document is *not* intended to be representative of the entire test, to show how operational tests look, or to provide information about how teachers should administer the test; rather, its purpose is to provide an overview of how the test reflects the demands of the New York State P–12 Next Generation Learning Standards.

The released questions do not represent the full spectrum of the standards assessed on the State tests, nor do they represent the full spectrum of how the standards should be taught and assessed in the classroom. It should not be assumed that a particular standard will be measured by an identical question in future assessments.

姓名：_____

Chinese (Traditional) Edition
Grade 5 2025
Mathematics Test
Session 1
Spring 2025

紐約州測驗計劃
數學考試
第 1 卷

5年級

2025 年春季

RELEASED QUESTIONS

應考建議

以下是一些建議，可以幫助你做到最好：

- 仔細閱讀每道題目。慢慢來，別著急。
- 你已獲得了一把尺子、一個量角器和一張參考表，如果它們對你答題有幫助，你可以在測試中使用。

3 2,550 ÷ 25 的商是多少？

    A   100

    B   102

    C   105

    D   120

5 哪個數的十位有 2？

    A   0.26

    B   2.09

    C   3.726

    D   425.9

9 哪个表达式等同於 $\frac{3}{4} \times 7$？

A $3 \times 4 \div 7$

B $3 \times 7 \div 4$

C $3 \div 4 \div 7$

D $3 \times 7 \times 4$

10 以下顯示了一個直角矩形棱柱的第一層。每個小立方體的體積為 1 立方單位。

圖例
= 1 個立方單位
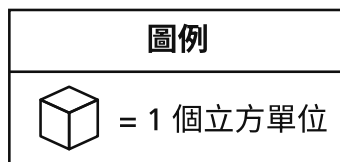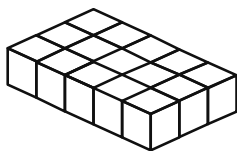
整個直角矩形棱柱的高是 6 個單位立方體。這個棱柱的體積是多少立方單位？

A　15

B　23

C　60

D　90

11 麵包師有 $\frac{1}{4}$ 盒鬆餅粉。他將所有鬆餅粉均勻地倒入 3 個碗中。每個碗中的鬆餅粉是整盒鬆餅粉的幾分之幾？

A　$\frac{1}{12}$

B　$\frac{3}{4}$

C　$2\frac{3}{4}$

D　$3\frac{1}{4}$

13 傑米有一些裝在袋子裡的水族箱岩石，每袋重 $2\frac{2}{5}$ 磅。她有 $1\frac{1}{2}$ 袋岩石。傑米擁有的水族箱岩石的總重量是多少磅？

A $1\frac{3}{5}$

B $3\frac{3}{7}$

C $3\frac{3}{5}$

D $3\frac{9}{10}$

14 $\frac{34}{100} + \frac{2}{10}$ 的值是多少？

A $\frac{54}{100}$

B $\frac{54}{10}$

C $\frac{36}{100}$

D $\frac{36}{10}$

15 哪種形狀的四條邊總是等長？

A 矩形
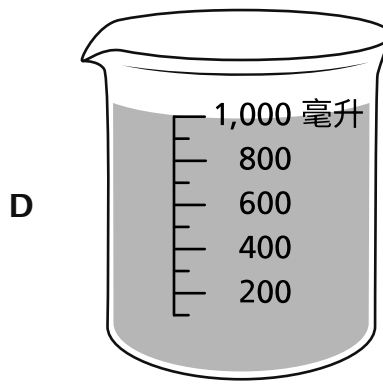
B 菱形

C 平行四邊形

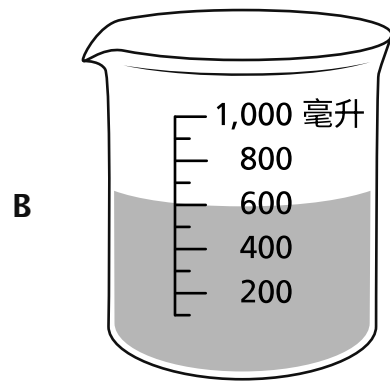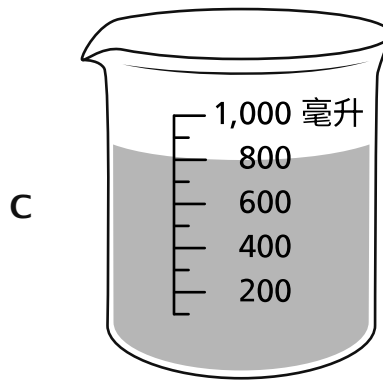**D** 梯形

繼續

20 將 63.4368 四捨五入到最接近的百分位是多少？

A   63.4

B   63.43

C   63.44

D   63.437

24 一個容器裝有 1 升水。從該容器中正好取出了 800 毫升的水。哪張圖顯示了該容器中剩餘的水量？

A

| 1,000 毫升 |
| 800 |
| 600 |
| 400 |
| 200 |

C

| 1,000 毫升 |
| 800 |
| 600 |
| 400 |
| 200 |

B

| 1,000 毫升 |
| 800 |
| 600 |
| 400 |
| 200 |

D

| 1,000 毫升 |
| 800 |
| 600 |
| 400 |
| 200 |
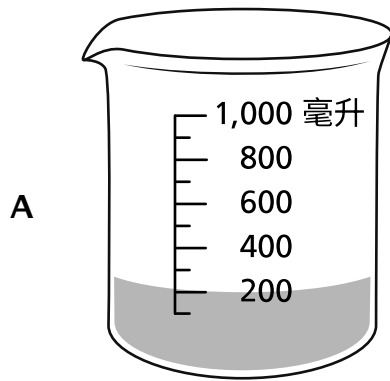
25 羅莉使用 12 磅火雞製作 60 個三明治。每個三明治使用的火雞肉量相同。每個三明治中火雞的總肉量是多少？

A $\frac{1}{6}$ 磅

B $\frac{1}{5}$ 磅

C 5 磅

D 6 磅

繼續

26 雪麗步行 $1\frac{1}{3}$ 英里去商店。她從商店步行 $\frac{2}{5}$ 英里去朋友家。雪麗步行的總距離是多少英里？

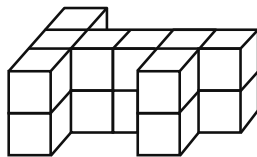A $\quad \frac{8}{15}$

B $\quad \frac{6}{8}$

C $\quad 1\frac{3}{8}$

D $\quad 1\frac{11}{15}$

28 哪個數值中的數字 6 代表的值是數值 506.42 中數字 6 所代表的值的十分之一？

A 504.26

B 540.62

C 560.42

D 604.25

29 以下所示的圖由單位立方體組成。該圖的底層與頂層相同。

該圖的體積是多少立方單位？

A 16

B 20

C 24

D 30

5年級
數學測驗
第 1 卷
2025 年春季

Grade 5
Mathematics Test
Session 1
Spring 2025

姓名：_____

Chinese (Traditional) Edition
Grade 5 2025
Mathematics Test
Session 2
Spring 2025

紐約州測驗計劃
數學考試
第 2 卷

5年級

2025 年春季

RELEASED QUESTIONS

第 2 卷

應考建議

以下是一些建議，可以幫助你做到最好：

- 仔細閱讀每道題目。慢慢來，別著急。
- 你已獲得了一把尺子、一個量角器和一張參考表，如果它們對你答題有幫助，你可以在測試中使用。
- 如果有相關要求，請寫出你的計算過程。
- 如果有相關要求，回答時務必解釋你的答案。

31 一位公司老闆花費 $1,488 購買棒球比賽的門票。每張門票的價格為 $24。該公司老闆買了多少張票？

A　62

B　68

C　74

D　75

32 一位美術教師將 2 夸脫黃色顏料和 3 品脫藍色顏料混合製成綠色顏料。該美術教師製作了多少杯綠色顏料？

A　7

B　10

C　14

D　20

33 哪个表达式等同於 $1\frac{5}{14} - \frac{3}{4}$？

A　$\frac{15}{14} - \frac{13}{14}$

B　$\frac{33}{28} - \frac{3}{28}$

C　$\frac{38}{28} - \frac{21}{28}$

D　$\frac{19}{56} - \frac{3}{56}$

繼續

34 傑拉正在一家商店購買她最喜歡的糖果。每塊糖果的價格為 $0.63。傑拉買了 5 塊糖果。她用了一張 $5 的鈔票付款。應找給她的零錢總金額是多少？

A $1.55

B $1.85

C $3.05

D $3.15

35 關於平行四邊形，哪個陳述是正確的？

A 所有平行四邊形都是正方形。

B 所有平行四邊形都是矩形。

C 所有平行四邊形都是菱形。

D 所有平行四邊形都是四邊形。

36 **答對這道題可獲得 1 個積分。**

以下為一個直角矩形棱柱。
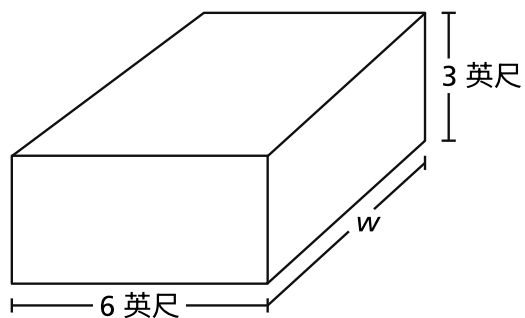
該棱柱的體積為 90 立方英尺。該棱柱的寬度 w 是多少英尺？

答案 $w =$ _____ 英尺

繼續

37 **答對這道題可獲得 1 個積分。**

上週，南茜徒步行走了 $7\frac{3}{4}$ 英里。本週，她游泳的距離是上週徒步行走距離的 $\frac{2}{3}$。南茜本週遊了

多少英里？

答案 _____ 英里

38 **答對這道題可獲得 1 個積分。**

萊婭有 5 磅巧克力，她將把這些巧克力放入袋子中。她在每個袋子中放入 $\frac{1}{3}$ 磅巧克力。萊婭將這些巧克力放入了多少個袋子中？

答案 _____ 個袋子

39 答對這道題可獲得 **2** 個積分。

以下顯示了一個具有指定尺寸的矩形圖。
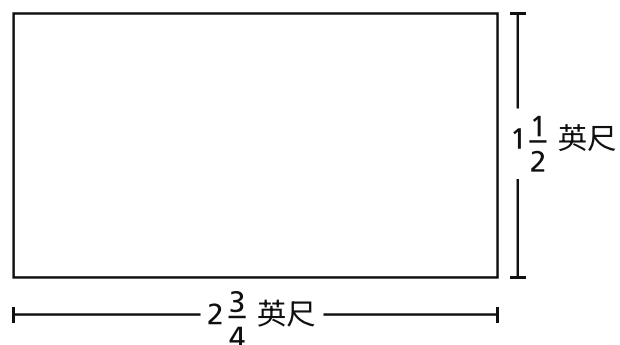
該矩形的面積是多少平方英尺？

請寫出你的計算過程。

答案 _____ 平方英尺

40 **答對這道題可獲得 2 個積分。**

使用 >、 <或 = 寫出一個比較語句，以便表示數字 157.890 與 157.809 之間的關係。

請解釋你如何確認你的答案正確。

_____

_____

_____

41 **答對這道題可獲得 2 個積分。**

兩個直角矩形棱柱組合成了以下所示的圖形。
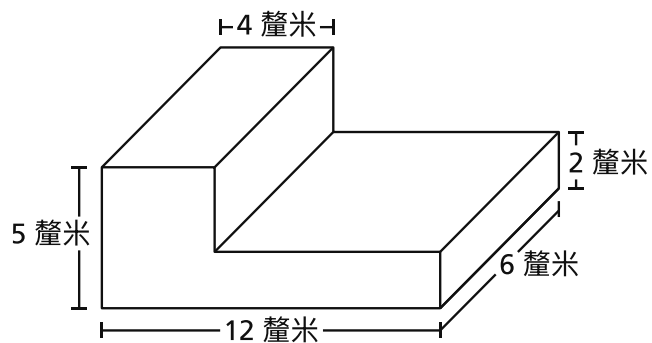
該圖形的總體積是多少立方釐米？

請寫出你的計算過程。

答案 _____ 立方釐米

42 **答對這道題可獲得 2 個積分。**

一位教師在黑板上寫下了方程式 $6 \times \dfrac{3}{3} = 6$。一名學生說這個方程式是錯誤的，因為 6 乘以一個

分數得到的乘積小於 6。這名學生說得對嗎？

請解釋你的答案。

_____

_____

_____

43 **答對這道題可獲得 2 個積分。**

科學俱樂部透過測量紙飛機的飛行距離來測試紙飛機設計。結果記錄在以下所示的折線圖中。

紙飛機飛行距離

距離（碼）
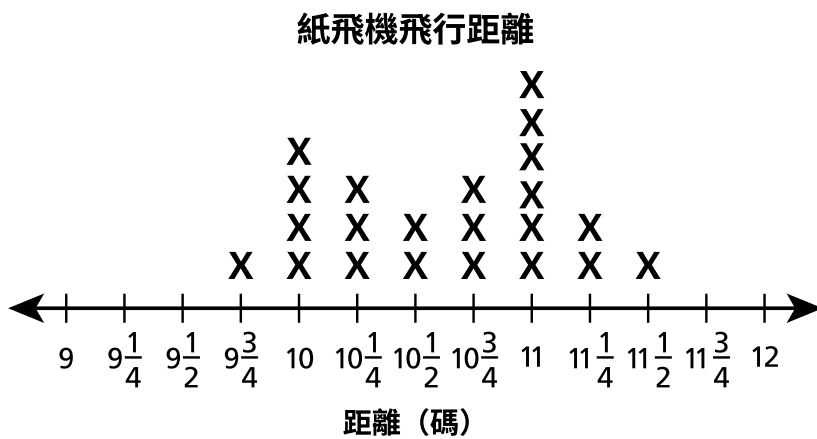
最長與最短飛行距離之差是多少碼？

請寫出你的計算過程。

答案 _____ 碼

44 **答對這道題可獲得 3 個積分。**

約什正在為一項賽跑比賽進行訓練。以下顯示了他三個月內每月跑步的英里數。

- 約什三月份跑了 12.35 英里。

- 約什四月份跑步的英里數是三月份的 3 倍。

- 約什五月份跑步的英里數比三月份多了 43.1 英里。

約什三個月總共跑了多少英里？

請寫出你的計算過程。

答案 ＿＿＿＿＿＿＿＿ 英里

停止作答

5年級
數學測驗
第 2 卷
2025 年春季

Grade 5
Mathematics Test
Session 2
Spring 2025

THE STATE EDUCATION DEPARTMENT
THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234
2025 Mathematics Tests Map to the Standards
Grade 5

Question	Type	Key	Points	Standard	Cluster	Subscore	Secondary Standard(s)
Session 1							
3	Multiple Choice	B	1	NGLS.Math.Content.NY-5.NBT.6	Number and Operations in Base Ten	Number and Operations in Base Ten	
5	Multiple Choice	D	1	NGLS.Math.Content.NY-5.NBT.1	Number and Operations in Base Ten	Number and Operations in Base Ten	
9	Multiple Choice	B	1	NGLS.Math.Content.NY-5.NF.4a	Number and Operations - Fractions	Number and Operations - Fractions	
10	Multiple Choice	D	1	NGLS.Math.Content.NY-5.MD.5a	Measurement and Data	Measurement and Data	
11	Multiple Choice	A	1	NGLS.Math.Content.NY-5.NF.7c	Number and Operations - Fractions	Number and Operations - Fractions	
13	Multiple Choice	C	1	NGLS.Math.Content.NY-5.NF.6	Number and Operations - Fractions	Number and Operations - Fractions	
14	Multiple Choice	A	1	NGLS.Math.Content.NY-4.NF.5	Number and Operations - Fractions	Number and Operations - Fractions	
15	Multiple Choice	B	1	NGLS.Math.Content.NY-5.G.4	Geometry		
20	Multiple Choice	C	1	NGLS.Math.Content.NY-5.NBT.4	Number and Operations in Base Ten	Number and Operations in Base Ten	
24	Multiple Choice	A	1	NGLS.Math.Content.NY-4.MD.2b	Measurement and Data	Measurement and Data	NGLS.Math.Content.NY-4.MD.1
25	Multiple Choice	B	1	NGLS.Math.Content.NY-5.NF.3	Number and Operations - Fractions	Number and Operations - Fractions	
26	Multiple Choice	D	1	NGLS.Math.Content.NY-5.NF.2	Number and Operations - Fractions	Number and Operations - Fractions	
28	Multiple Choice	B	1	NGLS.Math.Content.NY-5.NBT.1	Number and Operations in Base Ten	Number and Operations in Base Ten	
29	Multiple Choice	A	1	NGLS.Math.Content.NY-5.MD.4	Measurement and Data	Measurement and Data	
Session 2							
31	Multiple Choice	A	1	NGLS.Math.Content.NY-5.NBT.6	Number and Operations in Base Ten	Number and Operations in Base Ten	
32	Multiple Choice	C	1	NGLS.Math.Content.NY-5.MD.1	Measurement and Data	Measurement and Data	
33	Multiple Choice	C	1	NGLS.Math.Content.NY-5.NF.1	Number and Operations - Fractions	Number and Operations - Fractions	
34	Multiple Choice	B	1	NGLS.Math.Content.NY-5.NBT.7	Number and Operations in Base Ten	Number and Operations in Base Ten	
35	Multiple Choice	D	1	NGLS.Math.Content.NY-5.G.3	Geometry		
36	Constructed Response	n/a	1	NGLS.Math.Content.NY-5.MD.5b	Measurement and Data	Measurement and Data	
37	Constructed Response	n/a	1	NGLS.Math.Content.NY-5.NF.6	Number and Operations - Fractions	Number and Operations - Fractions	
38	Constructed Response	n/a	1	NGLS.Math.Content.NY-5.NF.7c	Number and Operations - Fractions	Number and Operations - Fractions	
39	Constructed Response	n/a	2	NGLS.Math.Content.NY-5.NF.4b	Number and Operations - Fractions	Number and Operations - Fractions	
40	Constructed Response	n/a	2	NGLS.Math.Content.NY-5.NBT.3b	Number and Operations in Base Ten	Number and Operations in Base Ten	
41	Constructed Response	n/a	2	NGLS.Math.Content.NY-5.MD.5c	Measurement and Data	Measurement and Data	
42	Constructed Response	n/a	2	NGLS.Math.Content.NY-5.NF.5b	Number and Operations - Fractions	Number and Operations - Fractions	
43	Constructed Response	n/a	2	NGLS.Math.Content.NY-5.MD.2	Measurement and Data	Measurement and Data	
44	Constructed Response	n/a	3	NGLS.Math.Content.NY-5.NBT.7	Number and Operations in Base Ten	Number and Operations in Base Ten	

This item map is intended to identify the primary analytic skills necessary to successfully answer each question. However, some questions measure proficiencies described in multiple standards, including a balanced combination of procedural and conceptual understanding.