



New York State
EDUCATION DEPARTMENT
Knowledge > Skill > Opportunity

New York State Testing Program
Grade 7
Mathematics Test

Released Questions

2023

New York State administered the Mathematics Tests in May 2023 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 2023 Exams

Background

As in past years, SED is releasing large portions of the 2023 NYS Grades 3–8 English Language Arts and Mathematics test materials for review, discussion, and use.

For 2023, included in these released materials are at least 75 percent of the test questions that appeared on the 2023 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 <http://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.

Non: _____



Haitian Creole Edition
Grade 7 2023
Mathematics Test
Session 1
May 2–4, 2023

**Pwogram Egzamen
Eta Nouyòk
Egzamen Matematik
Seyans 1**

7 YÈM ANE

**Sòti 2 Me pou rive
4 Me 2023**

RELEASED QUESTIONS

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Seyans 1



KONSÈY POU FÈ EGZAMEN AN

Men kèk sijasyon pou ede ou pi byen konpoze:

- Li chak kesyon avèk atansyon epi reflechi sou repons lan anvan ou fè chwa ou.
- Nou ba w enstriman matematik (yon règ, yon rapòtè ak yon kalkilatri) epi gen yon fèy referans ladan l pou w sèvi pandan egzamen an. Se ou ki pou konnen kilè pou sèvi ak chak grenn enstriman ak fèy referans la tou. Ou dwe sèvi ak enstriman matematik yo avèk fèy referans lan tou nenpòt lè w panse l ap ede w reponn yon kesyon.

1 Ki valè ekspresyon $\left(-\frac{1}{3}\right) \div \left(\frac{2}{5}\right)$?

A $-\frac{6}{5}$

B $-\frac{5}{6}$

C $\frac{5}{6}$

D $\frac{6}{5}$

2 Maria ak de (2) zanmi ale nan sinema. Yo gen \$52,00 epi yo depanse \$34,50 ladan l pou tikè fim nan. Epitou, yo achte 3 bwason ki koute yo chak menm kantite a. Aprè yo fin achte tikè fim ak bwason, yo genyen \$4,00 ki rete. Konbyen kòb yo bwason koute?

A \$2,50

B \$3,83

C \$4,00

D \$4,50

KONTINYE

4

Megan li menm kantite paj nan yon liv chak jou. Yo montre nan tablo anba a kantite paj total ki li nan fen yon kantite jou yo bay.

KANTITE PAJ POU LI

Kantite Jou	Kantite Total Paj
2	32
4	64
5	80
7	112

Konbyen paj Megan li nan 1 jounen?

- A 16
- B 18
- C 28
- D 32

5

Ki ekspresyon ki ekivalan ak sa yo montre anba a?

$$-1,5 + \frac{2}{5} + (-7) + 2,6$$

- A $(-5,5 + 2,6) + \frac{2}{5}$
- B $(-8,5 + 2,6) + \frac{2}{5}$
- C $\left(-\frac{1}{5} + \frac{2}{5}\right) + (-4,4)$
- D $\left(-\frac{1}{5} + \frac{2}{5}\right) + (-9,6)$

KONTINYE

8

Joel gen twa (3) bokit ki gen kantite diferan likid ladan yo. Yo montre anba a yon lis ki bay kantite likid ki gen nan chak bokit.

- $7\frac{1}{2}$ lit
- $5\frac{3}{4}$ lit
- $6\frac{3}{4}$ lit

Joel melanje tout likid yo menm jan ansanm. Apre sa li vide tout likid la yon fason egal nan 5 veso. Konbyen lit likid Joel vide nan chak veso?

- A $2\frac{1}{2}$
- B 4
- C 6
- D $6\frac{2}{3}$

9

Yo montre anba a Nòt nan syans yon elèv fè.

76, 82, 65, 82, 93, 63, 45, 82, 90, 74

Kisa mòd la ye epi kòman li ka konpare avèk medyàn nan?

- A Mòd la se 79 epi li pi ba pase medyàn nan.
- B Mòd la se 79 epi li pi wo pase medyàn nan.
- C Mòd la se 82 epi li pi ba pase medyàn nan.
- D Mòd la se 82 epi li pi wo pase medyàn nan.

KONTINYE

13

Tablo anba a montre kantite lajan, an dola, Kathy fè nan siveye timoun pou yon kantite lè travay yo ba li.

FÈ KÒB NAN SIVEYE TIMOUN

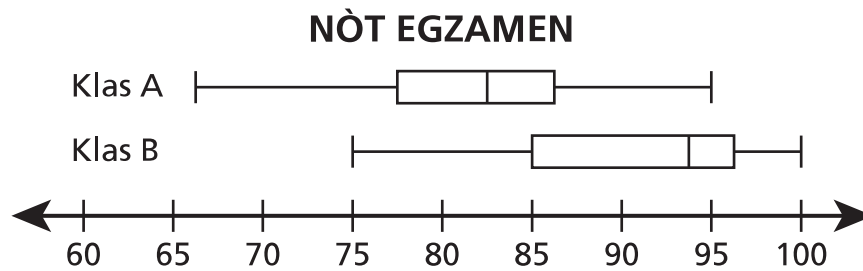
Kantite Èdtan, h	Gen, d (dola)
4	\$50,00
5	\$62,50
6	\$75,00
9	\$112,50

Sou baz tablo a, ki deklarasyon ki vrè konsènan relasyon ant kantite èdtan, h , li travay epi kantite lajan, d , li genyen?

- A Li pa pwopòsyonèl paske lè valè h se 0, epi valè d se 0.
- B Li pwopòsyonèl paske ratyo ant valè d ak h se menm nan pou chak pè.
- C Li pa pwopòsyonèl paske diferans ant d ak h diferan pou chak pè valè.
- D Li pwopòsyonèl paske valè h ogmante nan menm valè a soti nan yon pè valè rive nan lòt la.

KONTINYE

Nòt tèl matematik pou Klas A ak Klas B reprezante nan grafik an bwat ki ilistre anba.



Ki deklarasyon konsènan relasyon ant nòt de (2) klas yo ki kòrèk?

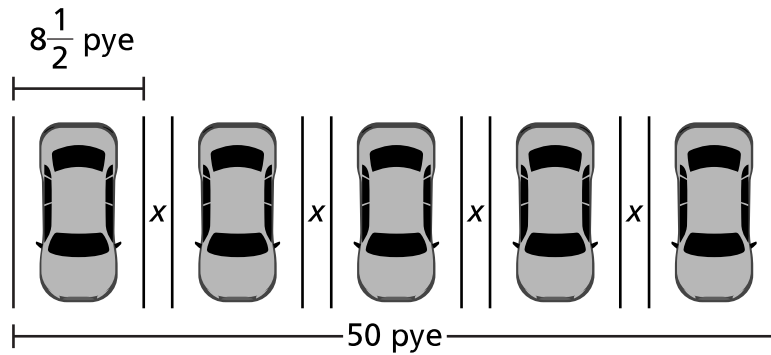
- A Nòt medyàn lan pou Klas A pi gran pase nòt medyàn lan pou Klas B.
- B Fouchèt nòt yo pou Klas A mwens pase fouchèt nòt pou Klas B.
- C Fouchèt inekwasyon yo pou Klas B pi gran pase fouchèt inekwasyon pou Klas A.
- D Dezyèm valè katil pou Klas B a mwens pase dezyèm valè katil la pou Klas A.

KONTINYE

17

Yo montre anba a fason pakin yon biwo fèt. Distans ki ant chak espas pakin se x pye.

DYAGRAM PAKIN NAN



Ki distans, x , ki ant chak espas pakin nan pakin nan?

- A $\frac{17}{20}$ pye
- B $1\frac{1}{2}$ pye
- C $1\frac{7}{8}$ pye
- D $1\frac{7}{10}$ pye

18

Yon elèv gen yon kat bis ki gen yon balans \$30,00. Chak fwa elèv la monte bis la, balans sou kat la diminye pa \$2,25. Ki pi gwo kantite trajè bis elèv la kapab fè pou itilize kat bis la?

- A 10
- B 13
- C 14
- D 15

KONTINYE

21

Yon boutik vann chapo ble ak chapo vèt. Chak chapo koute \$8,00. Ekspresyon $8b + 8g$ kapab itilize pou detèmine pri total la lè yon kliyan achte nenpòt kantite chapo ble, b , ak nenpòt kantite chapo vèt, g . Ki ekspresyon ekivalan ki kapab itilize tou pou detèmine pri total chapo yo an dola?

- A $8bg$
- B $16bg$
- C $8(b + g)$
- D $16(b + g)$

KONTINYE

23

Yon jesyonè boutik kolekte enfòmasyon sou kantite moun ki vizite boutik li a chak semèn. Enfòmasyon ki kolekte pandan yon peryòd 3 semèn site anba.

- Kantite moun ki vizite boutik la nan semèn 1 an se te 3.200.
- Kantite moun ki te vizite boutik la nan semèn 2 se te 10% anplis pase semèn 1.
- Kantite moun ki te vizite boutik la nan semèn 3 se te 15% anplis pase semèn 2.

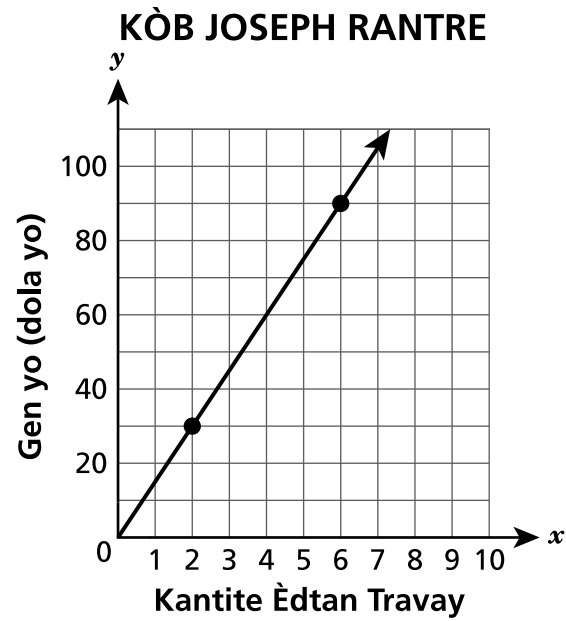
Konbyen moun ki te vizite boutik la nan semèn 3 ?

- A 3.520
- B 3.680
- C 4.000
- D 4.048

KONTINYE

25

Joseph gen yon travay pasyèl. Graf anba reprezante kantite Joseph genyen, an dola, pou kantite lè li travay.



Sou baz graf la, ki ekwasyon ki kapab itilize pou detèmine sa li rantre, an dola, pou chak èdtan li travay?

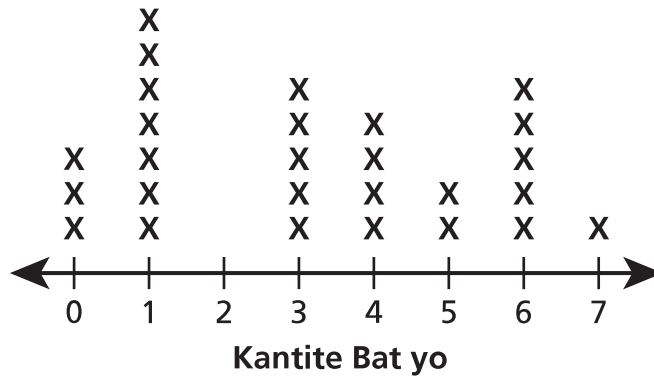
- A $y = 1,5x$
- B $y = 15x$
- C $x = 1,5y$
- D $x = 15y$

KONTINYE

31

Graf lineyè yo montre anba a reprezante kantite bat kèk jwè bay nan yon tounwa bezbòl.

BAT NAN TOUNWA BEZBÒL YO



Konbyen jwè done sou graf lineyè a reprezante?

- A 3
- B 7
- C 27
- D 85

32

Fakti pou yon dine nan yon restoran se \$58,20, avan taks ak poubwa. Taks vant lan se 5% fakti dine. Poubwa se 20% fakti dine a. Konbyen fakti total la ye, lè l gen ladan l taks ak poubwa?

- A \$83,20
- B \$72,75
- C \$62,27
- D \$58,45

7yèm ane

2023

Egzamen Matematik

Seyans 1

Sòti 2 Me pou rive 4 Me 2023

Grade 7

2023

Mathematics Test

Session 1

May 2–4, 2023

Non: _____



Haitian Creole Edition
Grade 7 2023
Mathematics Test
Session 2
May 2–4, 2023

**Pwogram Egzamen
Eta Nouyòk
Egzamen Matematik
Seyans 2**

7 YÈM ANE

**Sòti 2 Me pou rive
4 Me 2023**

RELEASED QUESTIONS

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Seyans 2



KONSÈY POU FÈ EGZAMEN AN

Men kèk sijesyon pou ede ou pi byen konpoze:

- Li chak kesyon avèk atansyon epi reflechi sou chak repons anvan ou chwazi, oswa ekri repons ou an.
- Nou ba w enstriman matematik (yon règ, yon rapòtè ak yon kalkilatris) epi gen yon fèy referans ladan l pou w sèvi pandan egzamen an. Se ou ki pou konnen kilè pou sèvi ak chak grenn enstriman ak fèy referans la tou. Ou dwe sèvi ak enstriman matematik yo avèk fèy referans lan tou nenpòt lè w panse l ap ede w reponn yon kesyon.
- Pa bliye montre kijan w fè jwenn repons lan lè yo mande ou sa.

33 Yon bisiklèt kouri $6\frac{1}{2}$ mil an $\frac{2}{3}$ èdtan. Konbyen vitès mwayèn, bisiklèt la fè an mil pa èdtan?

A $6\frac{1}{2}$

B $6\frac{5}{6}$

C $7\frac{1}{6}$

D $9\frac{3}{4}$

34 Nan yon boutik ki vann pwodui ki tou pare, kliyan ki achte yon sandwich kapab chwazi yon kalite pen, yon kalite vyann, ak yon kalite fwomaj. Opsyon pou chak sandwich site anba.

- pen: blan oubyen ak ble
- vyann: kodenn oubyen bèf
- fwomaj: Ameriken, Swis, oubyen cheda

Lè nou sipoze, chak chwa gen chans pou egal, ki pwobabilite yon kliyan pou chwazi yon sandwich avèk pen blan, kodenn, ak fwomaj Swis?

A $\frac{1}{12}$

B $\frac{1}{7}$

C $\frac{1}{4}$

D $\frac{1}{3}$

KONTINYE

35

Frank pran yon taksi pou ale travay. Pri kous la pou taksi a gen ladan l yon frè ale sèlman \$2,75, epi \$2,60 pou chak mil. Si Frank monte nan yon taksi pou 4 mil epi bay yon poubwa \$2,00, konbyen kòb l ap rete si li peye avèk yon fakti \$20,00 ?

- A \$4,85
- B \$6,85
- C \$7,35
- D \$7,60

36

Sòm de (2) nonb yo se zewo. Si youn nan nonb yo se 5, kisa lòt nonb lan ye?

- A -10
- B -5
- C 0
- D 5

37

Madam Jacobs gen \$15,00 pou depanse pou kafe ak beyè. Li achte 1 kafe pou \$2,59. Chak beyè koute \$1,09. Ki inegalite nou kapab itilize pou detèmine pi gwo kantite beyè, d , Madam Jacobs kapab achte?

- A $1,09d + 2,59 \leq 15$
- B $1,09d + 2,59 \geq 15$
- C $1,09 + 2,59d \leq 15$
- D $1,09 + 2,59d \geq 15$

KONTINYE

38

Maggie genyen yon antrepriz pou fè twalèt chen. Men pri yo pou de (2) sèvis ki site anba a.

- \$31,50 pou lave chen an
- \$17,00 pou koupe zong

Yon kliyan resevwa yon rabè 18% lè li peye pou toude, lave chen an ak koupe zong nan. Ki pri total kliyan ap peye pou lave chen an ak koupe zong chen an ak tout rabè a?

- A \$18,00
- B \$39,77
- C \$42,83
- D \$48,50

KONTINYE

39**Kesyon sa a vo 1 kredi.**

Tablo a montre yon relasyon pwopòsyonèl ant tas farin yo, x , ak kantite bonbon, y , pou yon resèt yo bay.

**KANTITE FARIN POU
BONBON YO**

Tas Farin (x)	Kantite Bonbon (y)
$1\frac{1}{2}$	24
3	48
$4\frac{1}{2}$	72
6	96
$7\frac{1}{2}$	120

Sou baz relasyon sa a, konbyen bonbon ki kapab fèt pou chak tas farin?

Repons _____ bonbon

KONTINYE

40

Kesyon sa a vo 1 kredi.

Kasey ak Andrew yo chak ale flannen, yon fwa pa jou, pandan 4 jou.

- Kasey te mache $\frac{3}{4}$ mil chak jou.
- Andrew te mache $\frac{3}{5}$ mil chak jou.

Aprè 4 jou, konbyen mil Kasey te mache anplis pase Andrew?

Repons _____ an mil

KONTINYE

41

Kesyon sa a vo 1 kredi.

Ekri ekspresyon $\frac{1}{2}(18y - 2y + 10)$ kòm sòm de (2) tèm diferan (ki pa sanble).

Repons _____

KONTINYE

42**Kesyon sa a vo 2 kredi.**

Yon elèv pwograme yon wobo pou vwayaje nan yon vitès konstan sou sòl sal klas la. Tablo anba a reprezante relasyon ant distans lan, an pye, wobo a vwayaje nan yon peryòd tan, an segonn.

DISTANS WOBO A TE PAKOURI

Tan, t (segonn yo)	Distans, d (pye)
2	1
4	2
10	5
16	8

Ekri yon ekwasyon pou reprezante distans lan, d , an pye, wobo a vwayaje an t segonn. Lè w ap itilize ekwasyon an, konbyen segonn wobo a ap pran pou vwayaje 11 pye?

Eskplike kijan ou fè pou jwenn repons lan.

Repons _____ segonn

KONTINYE

43**Kesyon sa a vo 2 kredi.**

Diane ap planifye yon fèt sou yon plas tranpolin. Li ap koute ou \$55,00 pou lwe plas la, plis yon \$8,00 adisyonèl pa envite. Li vle depanse mwens pase \$100,00 nan fèt la. Ekri epi rezoud yon inekwasyon pou detèmine kantite maksimòm envite, g , ki kapab jwenn envitasyon lè yo depanse mwens pase yon total \$100,00.

Esklike kijan ou fè pou jwenn repons lan.

Repons _____ envite

KONTINYE

44

Kesyon sa a vo 2 kredi.

Yon elèv voye yon pyès monnen ekitab avèk pil (H) yon kote epi pil (T) yon lòt kote, epi lanse yon kib nonb ekitab avèk divès fas ki nimewote 1 a 6. Konbyen rezilta diferan ki posib? Asire pou founi espas echantiyon pou tout konbinezon posib pou apiye repons ou an.

Eksplike repons ou an.

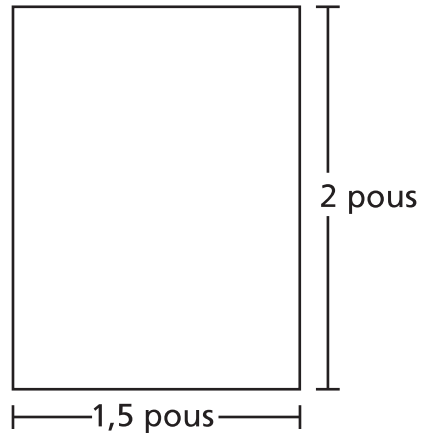
KONTINYE

45

Kesyon sa a vo 2 kredi.

Yo montre yon desen nan echèl sòl yon salklas ki gen fòm rektangilè ki ilistre nan dyagram anba a. Desen an gen yon echèl 1 pou pou rive 14 pye.

**DYAGRAM SÒL
SAL KLAS LA**



Konbyen sipèfisi, an pye kare, sal klas reyèl la ye?

Montre kijan ou fè pou jwenn repons lan.

Repons _____ pye kare

KONTINYE

46

Kesyon sa a vo 2 kredi.

Yon plonjè plonje 24 pye anba sifas dlo a. Apresa, Plonjè a monte rive 10 pye, kanpe, epi apresa li desann anba nan yon lòt 18 pye. Nan ki distans, an pye, plonjè a bezwen monte anlè pou rive nan sifas dlo a?

Eksplike kijan ou te fè pou jwenn repons la.

KONTINYE

47

Kesyon sa a vo 2 kredi.

Yon fanmi ki gen 2 adilt ak 2 timoun te ale nan yon fwa. Nou mete frè admisyon ak trajè a anba a.

- \$11,00 pou admisyon pou chak adilt
- \$5,00 pou admisyon pou chak timoun
- \$1,25 pou chak trajè

Fanmi an te depanse yon total \$52,00 pou admisyon ak trajè yo. Konbyen trajè fanmi an te peye pou yo?

Montre kijan ou fè pou jwenn repons lan.

Repons _____ trajè

KONTINYE

Kesyon sa a vo 3 kredi.

Konpayi Ayeryèn A ak Konpayi Ayeryèn B ofri rabè sou vwayaj pou menm destinasyon an. Yo fè deskripsyon pri tikè orijinal yo ak rabè yo anba a.

- Konpayi Ayeryèn A: fè yon rabè 25% sou pri tikè orijinal la \$150
- Konpayi Ayeryèn B: fè yon rabè $\frac{1}{3}$ sou pri tikè orijinal la \$180

Ki konpayi ayeryèn ki ofri tikè ki **mwenn** chè a? Ou dwe asire w mete ladan l pri tikè aprè rabè a pou chak konpayi ayeryèn nan repons ou.

Eksplike kijan ou te fè pou jwenn repons la.

7yèm ane

2023

Egzamen Matematik

Seyans 2

Sòti 2 Me pou rive 4 Me 2023

Grade 7

2023

Mathematics Test

Session 2

May 2–4, 2023

THE STATE EDUCATION DEPARTMENT
THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234
2023 Mathematics Tests Map to the Standards
Grade 7 Released Questions

Question	Type	Key	Points	Standard	Cluster	Secondary Standard(s)	Multiple Choice Questions	Constructed Response Questions	
							Percentage of Students Who Answered Correctly (P-Value)	Average Points Earned	P-Value (Average Points Earned ÷ Total Possible Points)
Session 1									
1	Multiple Choice	B	1	NGLS.Math.Content.NY-7.NS.2c	The Number System		0.8487		
2	Multiple Choice	D	1	NGLS.Math.Content.NY-7.EE.3	Expressions and Equations		0.7725		
4	Multiple Choice	A	1	NGLS.Math.Content.NY-7.RP.2b	Ratios and Proportional Relationships		0.8573		
5	Multiple Choice	B	1	NGLS.Math.Content.NY-7.NS.1d	The Number System		0.6314		
8	Multiple Choice	B	1	NGLS.Math.Content.NY-7.NS.3	The Number System		0.6152		
9	Multiple Choice	D	1	NGLS.Math.Content.NY-6.SP.5c	Statistics and Probability		0.4920		
13	Multiple Choice	B	1	NGLS.Math.Content.NY-7.RP.2a	Ratios and Proportional Relationships		0.4687		
16	Multiple Choice	C	1	NGLS.Math.Content.NY-7.SP.4	Statistics and Probability		0.4835		
17	Multiple Choice	C	1	NGLS.Math.Content.NY-7.EE.4a	Expressions and Equations		0.4064		
18	Multiple Choice	B	1	NGLS.Math.Content.NY-7.NS.3	The Number System		0.8399		
21	Multiple Choice	C	1	NGLS.Math.Content.NY-7.EE.2	Expressions and Equations		0.6178		
23	Multiple Choice	D	1	NGLS.Math.Content.NY-7.RP.3	Ratios and Proportional Relationships		0.6179		
25	Multiple Choice	B	1	NGLS.Math.Content.NY-7.RP.2c	Ratios and Proportional Relationships		0.4988		
31	Multiple Choice	C	1	NGLS.Math.Content.NY-6.SP.5a	Statistics and Probability		0.7564		
32	Multiple Choice	B	1	NGLS.Math.Content.NY-7.RP.3	Ratios and Proportional Relationships		0.6396		
Session 2									
33	Multiple Choice	D	1	NGLS.Math.Content.NY-7.RP.1	Ratios and Proportional Relationships		0.5740		
34	Multiple Choice	A	1	NGLS.Math.Content.NY-7.SP.8a	Statistics and Probability		0.4131		
35	Multiple Choice	A	1	NGLS.Math.Content.NY-7.EE.3	Expressions and Equations		0.6779		
36	Multiple Choice	B	1	NGLS.Math.Content.NY-7.NS.1b	The Number System		0.8058		
37	Multiple Choice	A	1	NGLS.Math.Content.NY-7.EE.4b	Expressions and Equations		0.5916		
38	Multiple Choice	B	1	NGLS.Math.Content.NY-7.RP.3	Ratios and Proportional Relationships		0.6899		
39	Constructed Response		1	NGLS.Math.Content.NY-7.RP.2b	Ratios and Proportional Relationships			0.6587	0.6587
40	Constructed Response		1	NGLS.Math.Content.NY-7.NS.3	The Number System	NGLS.Math.Content.NY-7.EE.3		0.3899	0.3899
41	Constructed Response		1	NGLS.Math.Content.NY-7.EE.1	Expressions and Equations			0.3393	0.3393
42	Constructed Response		2	NGLS.Math.Content.NY-7.RP.2c	Ratios and Proportional Relationships	NGLS.Math.Content.NY-7.RP.3		0.4112	0.2056
43	Constructed Response		2	NGLS.Math.Content.NY-7.EE.4b	Expressions and Equations			0.4688	0.2344
44	Constructed Response		2	NGLS.Math.Content.NY-7.SP.8b	Statistics and Probability			0.3824	0.1912
45	Constructed Response		2	NGLS.Math.Content.NY-7.G.1	Geometry			0.4432	0.2216
46	Constructed Response		2	NGLS.Math.Content.NY-7.NS.1b	The Number System	NGLS.Math.Content.NY-7.NS.1d		0.6757	0.3379
47	Constructed Response		2	NGLS.Math.Content.NY-7.EE.3	Expressions and Equations			0.6414	0.3207
48	Constructed Response		3	NGLS.Math.Content.NY-7.RP.3	Ratios and Proportional Relationships	NGLS.Math.Content.NY-7.NS.3		0.4282	0.1427

*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.