



Our Students. Their Moment.

**New York State Testing Program  
Grade 3  
Mathematics Test**

**Released Questions**

**June 2019**

New York State administered the Mathematics Tests in May 2019 and is now 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 2019 Exams

#### ***Background***

In 2013, New York State began administering tests designed to assess student performance in accordance with the instructional shifts and rigor demanded by the new New York State P-12 Learning Standards in Mathematics. To help in this transition to new assessments, the New York State Education Department (SED) has been releasing an increasing number of test questions from the tests that were administered to students across the State in the spring. This year, SED is again releasing large portions of the 2019 NYS Grades 3-8 English Language Arts and Mathematics test materials for review, discussion, and use.

For 2019, included in these released materials are at least 75 percent of the test questions that appeared on the 2019 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 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.

##### **Short-Response Questions**

Short-response questions require students to complete tasks and show their work. Like multiple-choice questions, short-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 of the standards.

##### **Extended-Response Questions**

Extended-response questions ask students to show their work in completing two or more tasks or a more extensive problem. Extended-response questions allow students to show their understanding of mathematical procedures, conceptual understanding, and application. Extended-response questions may also assess student reasoning and the ability to critique the arguments of others.

The scoring rubric for short and extended constructed-response questions can be found in the grade-level Educator Guides at <https://www.engageny.org/resource/test-guides-english-language-arts-andmathematics>.

#### **New York State P-12 Learning Standards Alignment**

The alignment(s) to the New York State P-12 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-point and three-point 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 future valid and reliable tests, some content must remain secure for possible use on future exams. As such, 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 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. Specific criteria for writing test questions, as well as additional assessment information, are available at <http://www.engageny.org/common-core-assessments>.

Non: \_\_\_\_\_



**Haitian Creole Edition**  
**Grade 3 2019**  
**Mathematics Test**  
**Session 1**  
**May 1–3, 2019**

# Pwogram Egzamen Eta Nouyòk Egzamen Matematik Seyans 1

Ane **3**

**1–3 Me 2019**

**RELEASED QUESTIONS**

Developed and published under contract with the New York State Education Department by Questar Assessment Inc., 5550 Upper 147th Street West, Minneapolis, MN 55124. Copyright © 2019 by the New York State Education Department.

# Seyans 1



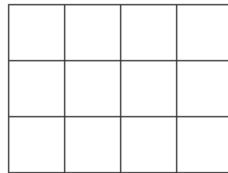
## KONSEY POU PRAN EGZAMEN AN

Men kèk sijesyon pou ede ou bay pi bon rannman:

- Li chak kesyon avèk atansyon epi reflechi sou chak repons anvan ou fè chwa ou.
- Yo ba w yon règ pou w itilize pandan egzamen an. Sèvi ak règ la nenpòt lè ou panse l ap ede w reponn kesyon an.

1

Aranjman ki anba la a reprezante yon pwodwi.



Ki ekspresyon ou te ka itilize pou jwenn pwodwi aranjman an reprezante a?

- A  $4 + 3$
- B  $4 + 4 + 4 + 4$
- C  $3 \times 4$
- D  $3 \times 3 \times 3 \times 3$

2

Lucy ap konte pa 2. Li kòmanse ak nimewo 2 epi li kanpe sou nimewo 50.  
Ki nimewo Lucy **pa t** ap konte?

- A 11
- B 22
- C 34
- D 48

3

Madmwazèl Carter gen 30 elèv nan klas li. Li ranje yo an 5 gwooup egalego.  
Ki ekspresyon ki reprezante fason pou jwenn kantite elèv ki nan chak gwooup?

- A  $30 + 5$
- B  $30 \div 5$
- C  $30 - 5$
- D  $30 \times 5$

**KONTINYE**

**6**

Jess make 18 pwen nan dènye match baskèt li a. Chak pànye li fè te vo 2 pwen. Konbyen pànye li te fè?

- A 20
- B 16
- C 9
- D 8

**7**

Yon bibliyotekè resevwa de bwat liv pou bibliyotèk la. Premye bwat la gen 136 liv. Dezyèm bwat la gen 58 liv an mwens pase premye bwat la. Ki kantite total liv bibliyotekè a te resevwa?

- A 58
- B 78
- C 194
- D 214

**8**

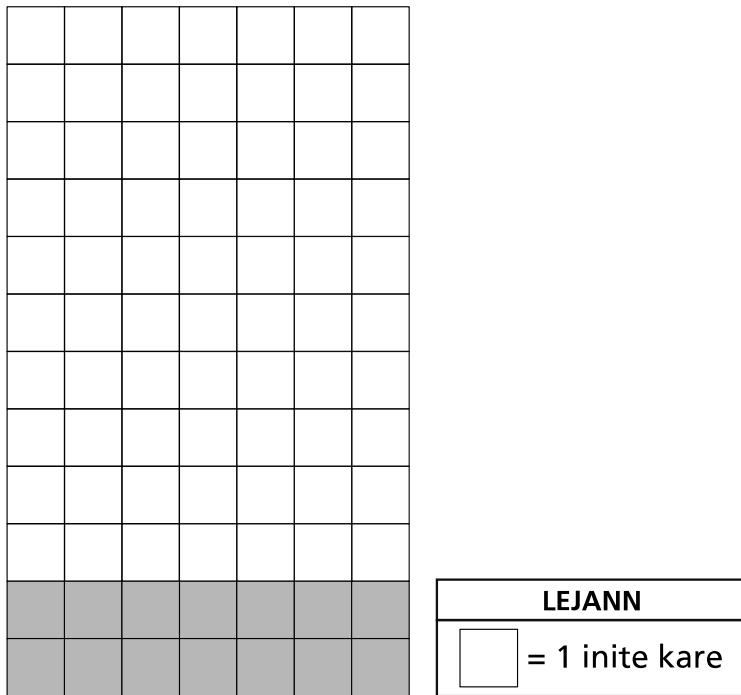
Ki de fraksyon yo dwe mete nan menm posizyon sou yon dwat nimerik?

- A  $\frac{3}{4}$  ak  $\frac{4}{8}$
- B  $\frac{1}{4}$  ak  $\frac{2}{8}$
- C  $\frac{2}{4}$  ak  $\frac{4}{6}$
- D  $\frac{1}{2}$  ak  $\frac{2}{6}$

**KONTINYE**

**15**

Figi ki anba la a reprezante yon planche ki kouvri ak kawo kare blan ak kawo kare gri.



Ki ekspresyon ou te ka itilize pou jwenn konbyen inite kare sifas tout planche an ye?

A  $(12 + 7) \times (12 + 7)$

C  $(10 + 7) \times (2 + 7)$

B  $(12 \times 7) + (12 \times 7)$

D  $(10 \times 7) + (2 \times 7)$

**16**

Ki ekspresyon ki ekivalan ak  $(5 + 2) \times 8$ ?

A  $(8 \times 5) + (8 \times 2)$

B  $(5 \times 8) + (5 \times 2)$

C  $8 \times (5 \times 2)$

D  $(5 \times 8) \times 2$

**KONTINYE**

**21** Ki ekwasyon ki vrè lè chif ki manke a se nonb 7 ?

A  $7 \times \underline{?} = 42$

B  $7 \times \underline{?} = 49$

C  $8 \times \underline{?} = 40$

D  $8 \times \underline{?} = 48$

**22** Yo awondi yon nonb nan santèn ki pi pre a. Rezulta a se 500. Ki nonb ki **pa t ap** nonb lan avan yo te awondi li nan santèn ki pi pre a?

A 458

B 463

C 547

D 559

**23** Ki fraz matematik ki vrè?

A Pwodwi  $5 \times 2$  pè paske toude faktè yo pè.

B Pwodwi  $4 \times 4$  enpè paske toude faktè yo pè.

C Pwodwi  $2 \times 7$  pè paske toude faktè yo enpè.

D Pwodwi  $5 \times 3$  enpè paske toude faktè yo enpè.

**KONTINYE**

---

**Ane 3  
2019  
Egzamen Matematik  
Seyans 1  
1–3 Me 2019**

**Grade 3  
2019  
Mathematics Test  
Session 1  
May 1–3, 2019**

Non: \_\_\_\_\_



**Haitian Creole Edition**  
**Grade 3 2019**  
**Mathematics Test**  
**Session 2**  
**May 1–3, 2019**

# Pwogram Egzamen Eta Nouyòk Egzamen Matematik Seyans 2

Ane **3**

**1–3 Me 2019**

**RELEASED QUESTIONS**

Developed and published under contract with the New York State Education Department by Questar Assessment Inc., 5550 Upper 147th Street West, Minneapolis, MN 55124. Copyright © 2019 by the New York State Education Department.

# Seyans 2

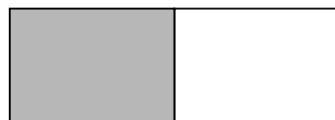
## KONSEY POU PRAN EGZAMEN AN

Men kèk sijesyon pou ede ou bay pi bon rannman:

- Li chak kesyon avèk atansyon epi reflechi sou chak repons anvan ou fè chwa ou oswa ekri repons ou.
- Yo ba w yon règ pou w itilize pandan egzamen an. Sèvi ak règ la nenpòt lè ou panse l ap ede w reponn kesyon an.
- Pa blye montre kijan w fè jwenn repons lan lè yo mande ou sa.

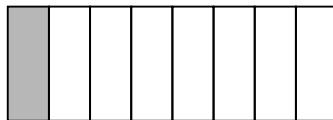
**26**

Fòm anba a kolore an gri pou reprezante yon fraksyon.

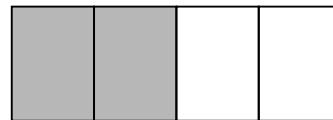


Ki fòm ki kolore an gri pou reprezante yon fraksyon ki egal a fòm ki anwo la a?

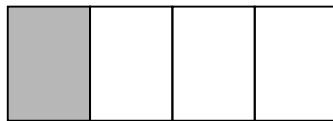
**A**



**C**



**B**



**D**



**27**

Responsab yon magazen kòmande mayo nan depo yo a. Yo anbale mayo yo nan bwat epi yo voye yo nan magazen an, jan li dekri anba la a.

- yo te kòmande 81 mayo
- chak bwat livrezon ka pran 9 mayo

Konbyen bwat livrezon yo bezwen pou livre tout mayo yo te kòmande yo?

**A** 8

**B** 9

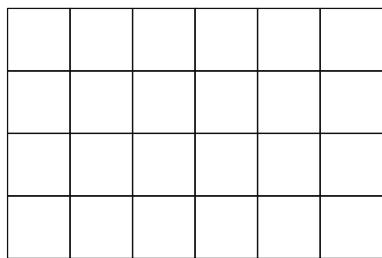
**C** 72

**D** 90

**KONTINYE**

**28**

Leeza itilize kare inite pou jwenn sifas rektang ki anba la a.



LEJANN					
<input type="checkbox"/>					= 1 inite kare

Konbyen inite kare sifas rektang la ye?

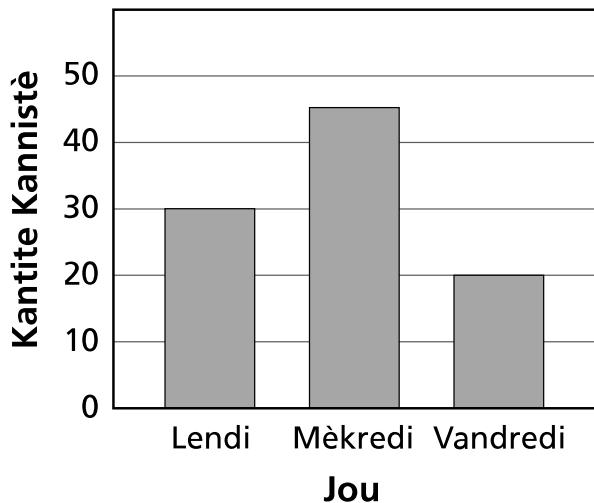
- A 16
- B 20
- C 24
- D 28

**KONTINYE**

**29**

Elèv nan klas Mèt Gazer yo ap kolekte kannistè pou resikle. Dyagram an kolòn ki anba a montre kantite kannistè yo te kolekte chak jou pou twa jou.

### KANNISTÈ YO TE KOLEKTE



Konbyen kannistè yo te kolekte mèkredi plis pase sa yo te kolekte vandredi?

- A** 15
- B** 20
- C** 25
- D** 45

**30**

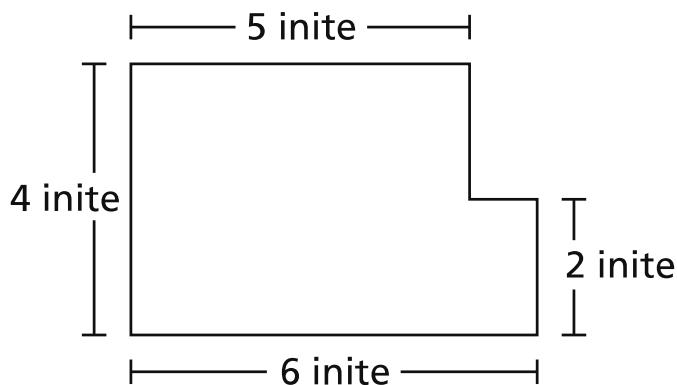
Nan ki sitiyasyon yo ka itilize ekspresyon  $64 \div 8$  ?

- A** Gen 8 bis ak 64 elèv nan chak bis.
- B** Madmwazèl Vance gen 8 plim ak 64 kreyon nan yon bwat.
- C** Gen 64 liv nan yon bibliyotèk epi yo retire 8 liv.
- D** Mesye Juarez gen 64 tas epi li mete menm kantite a sou chak 8 tab.

**KONTINYE**

**31**

Yo kreye figi ki anba la a lè yo mete de rektang akote youn lòt.



Konbyen inite kare sifas total figi a ye?

- A** 17
- B** 20
- C** 22
- D** 32

**32**

Ki ekspresyon ki ekivalan ak  $4 \times 9$  ?

- A**  $(4 \times 4) + (4 \times 5)$
- B**  $(4 + 4) \times (4 + 5)$
- C**  $(4 + 4) + (4 + 5)$
- D**  $(4 \times 4) \times (4 \times 5)$

**KONTINYE**

**33**

Antrenè Wu gen yon total 30 boul foutbòl.

- 9 nan boul foutbòl yo blan
- rès boul foutbòl yo se youn nan twa koulè diferan (ble, woz, oswa vèt)
- gen menm kantite boul ble, woz, ak vèt

Konbyen boul foutbòl vèt Antrenè Wu genyen?

**A** 7

**B** 10

**C** 21

**D** 39

**KONTINYE**

**34**

Wyatt vle rezoud ekwasyon ki anba a pou jwenn faktè ki manke a.

$$8 \times \underline{?} = 24$$

Kijan Wyatt kapab jwenn faktè ki manke a lè li chanje ekwasyon an pou li vin yon pwoblèm divizyon? Pa blyie mete valè faktè ki manke a nan repons ou a.

*Eksplike repons ou.*

---

---

---

**KONTINYE**

**35**

De fanmi achte kèk gwo sandwich menm gwosè a. Fanmi A pataje yon sandwich egalego pam 4 moun, jan ou wè nan foto ki anba la a.

--	--	--	--

Fanmi B pataje yon sandwich egalego ant 2 moun.

Èske yon moun nan Fanmi A pral resevwa menm kantite a oswa yon kantite diferan nan yon sandwich ak yon moun ki nan Fanmi B? Pa blyie mete sa ou konnen sou fraksyon oswa pati yon antye nan repons ou.

*Eksplike repons ou.*

---

---

---

**KONTINYE**

**36**

Suzy fè ponmkèt pou zanmi li yo. Li kòmanse a 2:40 p.m. Lis ki anba la a montre kantite minit li te pran pou reyalize chak etap nan pwosesis la.

- 9 minit pou melanje pat la
- 18 minit pou kwit ponmkèt yo
- 5 minit kite yo frèt
- 10 minit pou dore ponmkèt yo

A ki lè Suzy te fin dore ponmkèt yo?

***Montre kijan ou fè pou jwenn repons la.***

***Repons*** \_\_\_\_\_ p.m.

**KONTINYE**

**37**

Ashlynn monte bekàn li 2 mil pou ale lekòl epi 2 mil pou ale lakay li chak jou.  
Konbyen mil total Ashlynn pral monte bekàn li pou ale lekòl ak lakay li nan 40 jou?

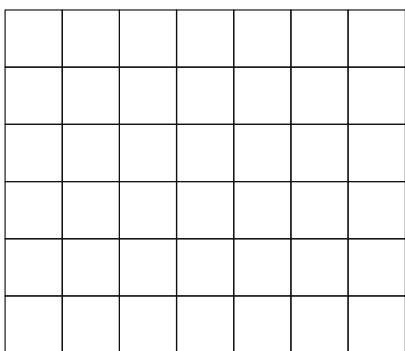
***Montre kijan ou fè pou jwenn repons la.***

***Repons*** \_\_\_\_\_ mil

**KONTINYE**

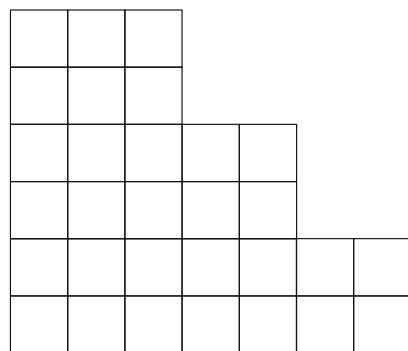
**38**

Gen de figi anba la a.



LEJANN
<input type="checkbox"/> = 1 pye kare

**FIGI A**



**FIGI B**

Konbyen pye kare diferans ant sifas Figi A ak sifas Figi B ye?

*Eksplike kijan ou te fè pou jwenn repons la.*

---

---

---

**KONTINYE**

**39**

Gianna koupe yon riban an moso egalego jan ou wè anba la a.

--	--	--	--	--	--

Li itilize 4 moso riban an pou yon pwojè. Ki fraksyon riban an Gianna itilize pou pwojè a?

*Eksplike kijan ou te fè pou jwenn repons la.*

---

---

---

**KONTINYE**

40

Madmwazèl Ross ap fè manje maten pou fanmi li. Li fè 15 ti krèp pou pataje egalego pam 3 moun. Konbyen ti krèp chak moun pral jwenn?

*Montre kijan ou fè pou jwenn repons la.*

*Repons* \_\_\_\_\_ krèp

Madmwazèl Ross vle bay chak moun tou yon vè ji zoranj. Si chak moun resevwa 8 ons, konbyen ons total ji zoranj li bezwen?

*Montre kijan ou fè pou jwenn repons la.*

*Repons* \_\_\_\_\_ ons

**KANPE LA**

---

**Ane 3  
2019  
Egzamen Matematik  
Seyans 2  
1–3 Me 2019**

**Grade 3  
2019  
Mathematics Test  
Session 2  
May 1–3, 2019**

**THE STATE EDUCATION DEPARTMENT**  
**THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234**  
**2019 Mathematics Tests Map to the Standards**  
**Grade 3 Released Questions on EngageNY**

Question	Type	Key	Points	Standard	Cluster	Subscore
<b>Session 1</b>						
1	Multiple Choice	C	1	CCSS.Math.Content.3.OA.A.1	Operations and Algebraic Thinking	Operations and Algebraic Thinking
2	Multiple Choice	A	1	CCSS.Math.Content.3.OA.D.9	Operations and Algebraic Thinking	Operations and Algebraic Thinking
3	Multiple Choice	B	1	CCSS.Math.Content.3.OA.A.2	Operations and Algebraic Thinking	Operations and Algebraic Thinking
6	Multiple Choice	C	1	CCSS.Math.Content.3.OA.A.3	Operations and Algebraic Thinking	Operations and Algebraic Thinking
7	Multiple Choice	D	1	CCSS.Math.Content.3.OA.D.8	Operations and Algebraic Thinking	Operations and Algebraic Thinking
8	Multiple Choice	B	1	CCSS.Math.Content.3.NF.A.3a	Number and Operations - Fractions	Number and Operations - Fractions
15	Multiple Choice	D	1	CCSS.Math.Content.3.MD.C.7c	Measurement and Data	Measurement and Data
16	Multiple Choice	A	1	CCSS.Math.Content.3.OA.B.5	Operations and Algebraic Thinking	Operations and Algebraic Thinking
21	Multiple Choice	B	1	CCSS.Math.Content.3.OA.A.4	Operations and Algebraic Thinking	Operations and Algebraic Thinking
22	Multiple Choice	D	1	CCSS.Math.Content.3.NBT.A.1	Number and Operations in Base Ten	
23	Multiple Choice	D	1	CCSS.Math.Content.3.OA.D.9	Operations and Algebraic Thinking	Operations and Algebraic Thinking
<b>Session 2</b>						
26	Multiple Choice	C	1	CCSS.Math.Content.3.NF.A.3b	Number and Operations - Fractions	Number and Operations - Fractions
27	Multiple Choice	B	1	CCSS.Math.Content.3.OA.A.3	Operations and Algebraic Thinking	Operations and Algebraic Thinking
28	Multiple Choice	C	1	CCSS.Math.Content.3.MD.C.5b	Measurement and Data	Measurement and Data
29	Multiple Choice	C	1	CCSS.Math.Content.3.MD.B.3	Measurement and Data	Measurement and Data
30	Multiple Choice	D	1	CCSS.Math.Content.3.OA.A.2	Operations and Algebraic Thinking	Operations and Algebraic Thinking
31	Multiple Choice	C	1	CCSS.Math.Content.3.MD.C.7d	Measurement and Data	Measurement and Data
32	Multiple Choice	A	1	CCSS.Math.Content.3.OA.B.5	Operations and Algebraic Thinking	Operations and Algebraic Thinking
33	Multiple Choice	A	1	CCSS.Math.Content.3.OA.D.8	Operations and Algebraic Thinking	Operations and Algebraic Thinking
34	Constructed Response		2	CCSS.Math.Content.3.OA.B.6	Operations and Algebraic Thinking	Operations and Algebraic Thinking
35	Constructed Response		2	CCSS.Math.Content.3.NF.A.3d	Number and Operations - Fractions	Number and Operations - Fractions
36	Constructed Response		2	CCSS.Math.Content.3.MD.A.1	Measurement and Data	Measurement and Data

37	Constructed Response		2	CCSS.Math.Content.3.NBT.A.3	Number and Operations in Base Ten	
38	Constructed Response		2	CCSS.Math.Content.3.MD.C.6	Measurement and Data	Measurement and Data
39	Constructed Response		2	CCSS.Math.Content.3.NF.A.1	Number and Operations - Fractions	Number and Operations - Fractions
40	Constructed Response		3	CCSS.Math.Content.3.OA.A.3	Operations and Algebraic Thinking	Operations and Algebraic Thinking

\*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.