



Our Students. Their Moment.

**New York State Testing Program
Grade 4 Common Core
Mathematics Test
(Haitian Creole)**

Released Questions

2017

New York State administered the Mathematics Common Core Tests in June 2017 and is now making approximately 75% of the questions from these tests available for review and use.



THE STATE EDUCATION DEPARTMENT / THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234

New York State Testing Program Grades 3-8 Mathematics

Released Questions from 2017 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 2017 NYS Grades 3-8 Common Core English Language Arts and Mathematics test materials for review, discussion, and use.

For 2017, included in these released materials are at least 75 percent of the test questions that appeared on the 2017 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-and-mathematics>.

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 4 Common Core
Mathematics Test
Book 1
May 2–4, 2017

**Pwogram Egzamen
Eta Nouyòk
Egzamen Matematik
Liv 1**

Ane 4

2–4 Me 2017

Released Questions

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Liv 1



KONSÈY POU PRAN EGZAMEN AN

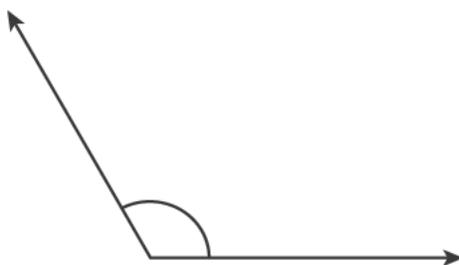
Men kèk sijesyon pou ede ou bay pi bon ranman:

- Li chak kesyon avèk atansyon epi reflechi sou chak repons anvan ou ekri repons ou.
- Yo ba w zouti matematik (yon règ ak yon rapòtè) pou itilize pandan tès la. Ou kapab decide lè ou panse chak zouti kapab itil ou. Ou dwe sèvi ak zouti matematik yo nenpòt lè ou panse l ap ede w reponn kesyon an.

1 Popilasyon yon vil kèlkonk se 836.527. Konbyen popilasyon vil sa a ye awondi a dis milyèm ki pi pre a?

- A 800.000
- B 830.000
- C 836.000
- D 840.000

2 Ki mezi ang ki parèt pi ba a?



- A 60°
- B 90°
- C 110°
- D 120°

KONTINYE

3 Ki ekspresyon ki ekivalan ak $\frac{7}{10} - \frac{2}{10}$?

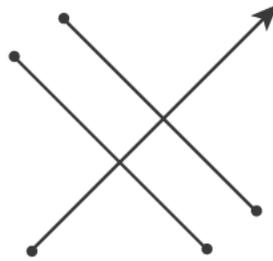
A $\frac{2}{10} + \frac{3}{10}$

B $\frac{5}{10} + \frac{4}{10}$

C $\frac{1}{5} + \frac{4}{5}$

D $\frac{3}{6} + \frac{2}{4}$

4 Ki fraz ki dekri figi jeyometri ki anba a **pi byen**?



A Vektè a sanble li pèpandikilè ak 2 segman paralèl.

B Vektè a sanble li paralèl ak 2 segman pèpandikilè.

C Segman an sanble li pèpandikilè ak 2 liy paralèl.

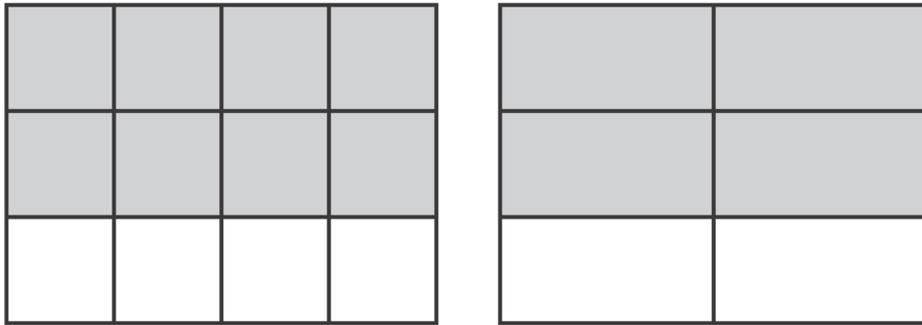
D Segman an sanble li paralèl ak 2 liy pèpandikilè.

KONTINYE

5 Ki chif ki se pwodwi 32×67 ?

- A 1.824
- B 1.934
- C 2.044
- D 2.144

6 Modèl ki kolore an gri pi ba a reprezante fraksyon ki ekivalan.



Ki fraksyon ki ekivalan ak fraksyon nou montre ak modèl yo?

- A $\frac{2}{3}$
- B $\frac{4}{8}$
- C $\frac{6}{10}$
- D $\frac{9}{12}$

KONTINYE

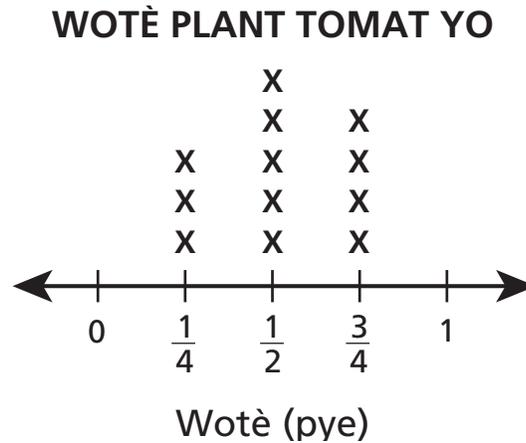
7

Ki mezi yon ang k ap vire sou li menm soti nan $\frac{3}{4}$ yon sèk konplè?

- A 34°
- B 43°
- C 75°
- D 270°

8

Andrew ap plante tomat nan jaden li. Dyagram lineyè ki anba la a montre wotè chak plant tomat te ye mèkredi.

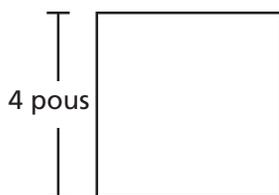


Ki diferans ki genyen nan wotè ant plant ki pi wo a ak sa ki pi kout la?

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

KONTINYE

11 Gen yon kare pi ba a.



Kelsey trase yon rektang ki gen menm sifas ak kare a. Longè rektang Kelsey a se 8 pous. Konbyen pous perimèt rektang Kelsey a ye?

- A 10
- B 16
- C 20
- D 32

12 Kèk patisye prepare tat ak pòm.

- Yo gen 15 bwat pòm.
- Chak bwat gen 18 pòm.
- Yo itilize 7 pòm pou chak tat.

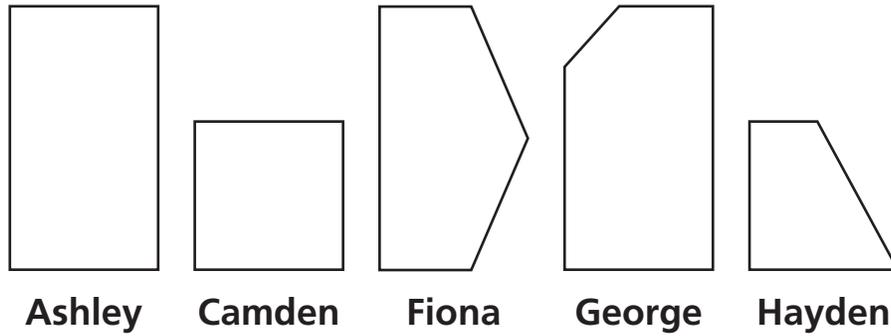
Konbyen kantite total tat patisye yo kapab prepare?

- A 33
- B 38
- C 39
- D 40

KONTINYE

15

W ap wè fòm chak nan 5 elèv yo te trase pi ba a.



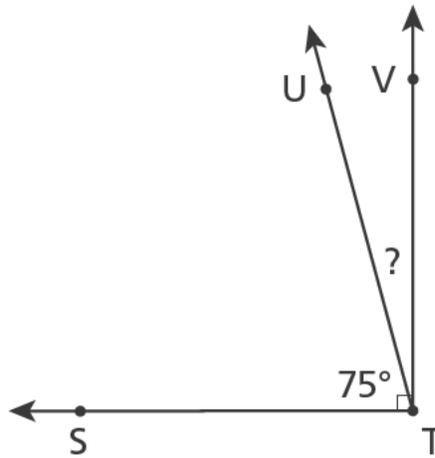
Ki lis ki gen non tout elèv ki te trase kwadrilateral yo?

- A Fiona ak George
- B Ashley ak Camden
- C Ashley, Camden, ak Hayden
- D Ashley, Camden, Fiona, ak George

KONTINYE

16

Ang STU ak UTV konbinen pou fòmè ang dwa STV.



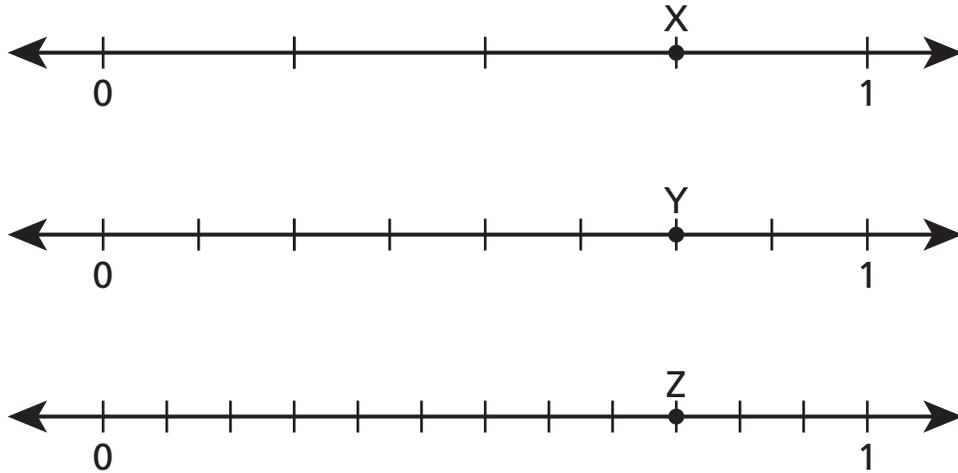
Ki ekspresyon ou te kapab itilize pou jwenn mezi ang UTV an degre?

- A $90 - 75$
- B $90 + 75$
- C $180 - 75$
- D $180 + 75$

KONTINYE

17

Sou dwat nimerik ki anba la a, pwen Y ak pwen Z reprezante fraksyon ki ekivalan ak fraksyon ki reprezante ak pwen X yo.



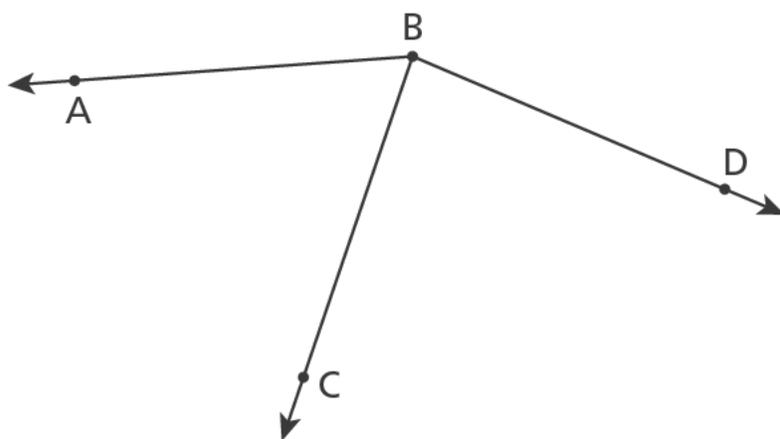
Ki fraksyon pwen Y ak Z reprezante sou dwat nimerik la?

- A Pwen Y reprezante $\frac{4}{6}$ epi pwen Z reprezante $\frac{8}{12}$.
- B Pwen Y reprezante $\frac{4}{6}$ epi pwen Z reprezante $\frac{9}{12}$.
- C Pwen Y reprezante $\frac{6}{8}$ epi pwen Z reprezante $\frac{8}{12}$.
- D Pwen Y reprezante $\frac{6}{8}$ epi pwen Z reprezante $\frac{9}{12}$.

KONTINYE

21

Nan dyagram ki anba a, ang ABD mezire 153° epi ang ABC mezire 67° .



Kisa mezi ang CBD ye?

- A 84°
- B 86°
- C 94°
- D 96°

KONTINYE

22 Ki chif ki se kosyan $1.224 \div 9$?

A 135

B 136

C 1.215

D 1.360

Ane 4
2017 Common Core
Egzamen Matematik
Liv 1
2–4 Me 2017

Grade 4
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May 2–4, 2017

Non: _____



Haitian Creole Edition
Grade 4 Common Core
Mathematics Test
Book 2
May 2–4, 2017

**Pwogram Egzamen
Eta Nouyòk
Egzamen Matematik
Liv 2**

Ane 4

2–4 Me 2017

Released Questions

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Liv 2



KONSÈY 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 ekri repons ou.
- Yo ba w zouti matematik (yon règ ak yon rapòtè) pou itilize pandan tès la. Ou kapab decide lè ou panse chak zouti kapab itil ou. Ou dwe sèvi ak zouti matematik yo nenpòt lè ou panse l ap ede w reponn kesyon an.

23 Ki chif ki se yon miltip 7?

A 27

B 48

C 56

D 74

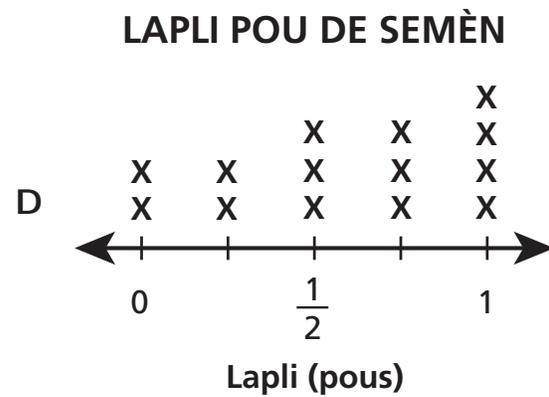
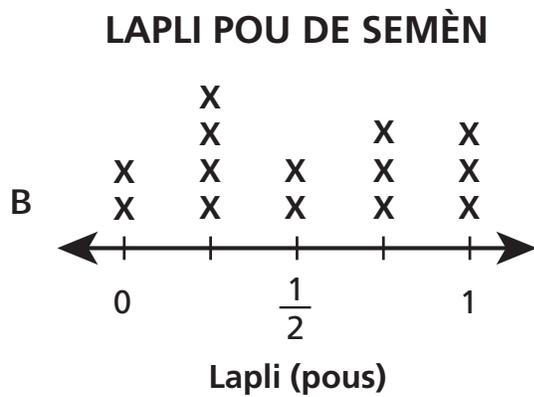
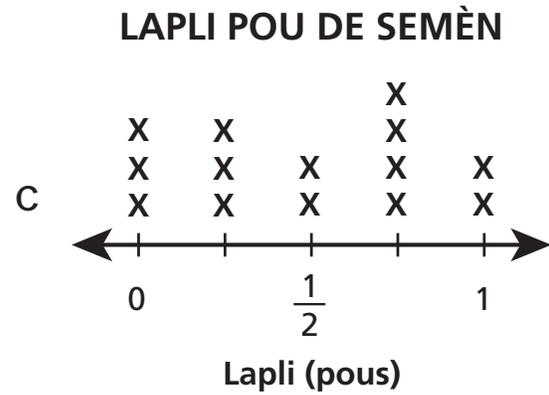
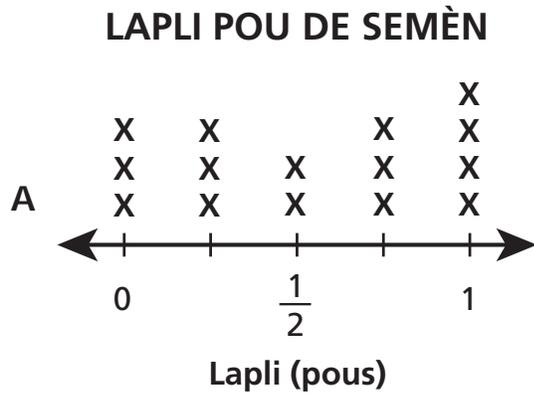
KONTINYE

Pou yon pwojè lasyans, Joseph anrejistre kantite fwa lapli tonbe chak jou pandan 2 semèn. Tablo ki anba la a montre done li yo.

LAPLI POU DE SEMÈN

Pous Lapli	0	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
Kantite Jou	3	3	2	4	2

Ki dyagram lineyè ki prezante done Joseph yo pi byen?



25 Yon elèv gen 3 kastèt. Chak kastèt gen 1.250 pyès. Ki kantite total pyès ki gen nan kastèt la?

A 3.650

B 3.750

C 4.650

D 4.750

26 Yon kepi koute \$8. Yon mayo menm estil la koute 4 fwa kepi a. Kiyès nan sa yo ki anba la a nou kapab itilize pou konnen pri mayo a?

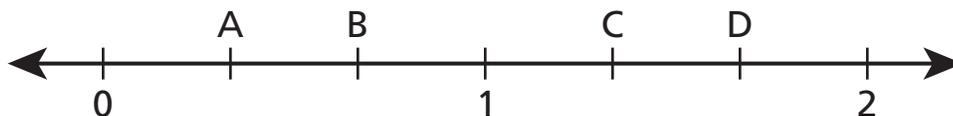
A $8 \div 2 = \underline{\quad ? \quad}$

B $8 - 4 = \underline{\quad ? \quad}$

C $8 + 4 = \underline{\quad ? \quad}$

D $8 \times 4 = \underline{\quad ? \quad}$

27 Ki lèt sou dwat nimerik ki anba a ki reprezante yon fraksyon ki ekivalan ak $\frac{4}{6}$?



A A

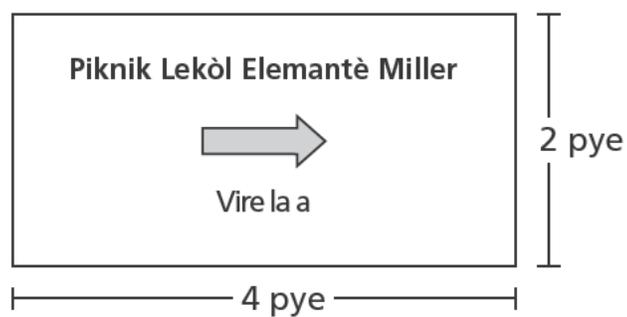
B B

C C

D D

KONTINYE

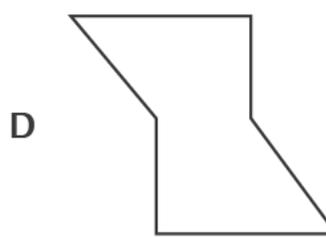
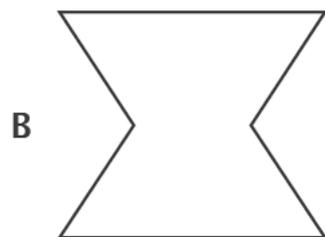
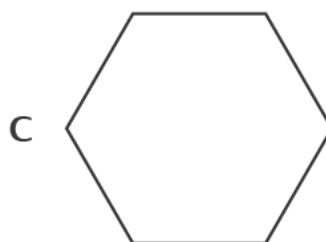
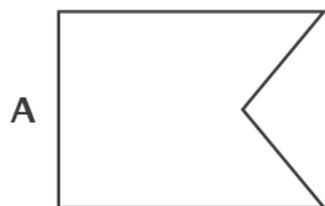
28 Yo endike yon siy an fòm rektang.



Konbyen pye perimèt siy lan ye?

- A 6
- B 8
- C 12
- D 16

29 Ki figi ki gen egzakteman yon dwat simetri?



KONTINYE

30 Nan konkou k ap fèt lavil la, si yo divize yon total 762 elèv an 6 ekip ki gen menm kantite elèv nan chak, konbyen elèv ki genyen nan chak ekip?

- A 110
- B 120
- C 127
- D 137

31 Nan yon pak katye a, gen 11 espas pou bekàn sou yon griy akote teren baskèt la. Griy bekàn ki akote teren pou jwe a gen 3 fwa plis espas pou bekàn pase sa ki akote teren baskèt la. Ki ekwasyon nou te kapab itilize pou jwenn kantite total espas bekàn sou griy ki akote teren pou jwe a?

- A $3 \times 11 = ?$
- B $11 + 3 = ?$
- C $11 \div ? = 3$
- D $? + 3 = 11$

32 Melina te mache $\frac{9}{12}$ mil chak jou pou 5 jou. Konbyen distans total, an mil, li te mache nan 5 jou yo?

- A $\frac{9}{60}$
- B $\frac{45}{60}$
- C $\frac{14}{12}$
- D $\frac{45}{12}$

KONTINYE

35

Rowan gen 3 moso fil, jan nou dekri anba la a.

- yon moso fil wouj ki $\frac{3}{4}$ pye
- yon moso fil jòn ki $\frac{6}{8}$ pye
- yon moso fil ble ki $\frac{4}{12}$ pye

Ki fraz nimerik ki konpare longè 2 moso fil sa yo kòrèkteman?

A $\frac{3}{4} < \frac{6}{8}$

B $\frac{4}{12} < \frac{3}{4}$

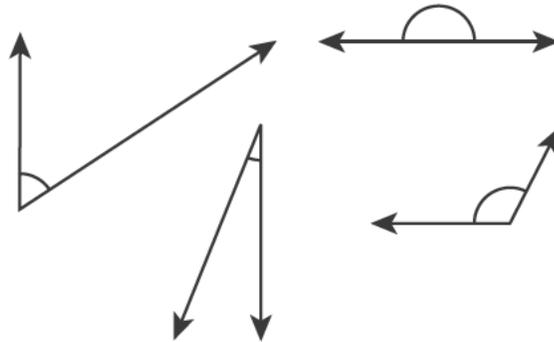
C $\frac{3}{4} > \frac{6}{8}$

D $\frac{4}{12} > \frac{6}{8}$

KONTINYE

36

Gen kat ang anba la a.



Konbyen nan ang sa yo ki egi?

- A 1
- B 2
- C 3
- D 4

37

Chak fwa Rami vire bouton yon aparèy, bouton an depase 1 degre. Rami vire bouton an 10 fwa. Ki kantite total degre bouton an te deplase?

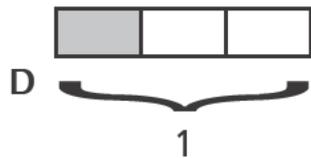
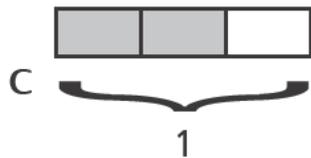
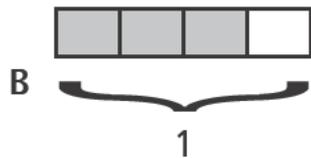
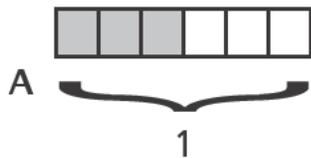
- A 10
- B 90
- C 110
- D 360

KONTINYE

40 Ki metòd ou kapab itilize pou rezoud 11×13 ?

- A Miltipliye 11×10 ak 10×3 , epi ajoute de pwodwi yo.
- B Miltipliye 11×10 ak 11×3 , epi ajoute de pwodwi yo.
- C Miltipliye 11×100 ak 10×3 , epi ajoute de pwodwi yo.
- D Miltipliye 11×100 ak 11×3 , epi ajoute de pwodwi yo.

41 Ki modèl ki kolore an gri ki reprezante yon fraksyon ki ekivalan ak $\frac{9}{12}$?



KONTINYE

44 Konbyen $123 \div 8$ ye?

- A 15 epi rete 7
- B 15 epi rete 3
- C 16 epi rete 5
- D 16 epi rete 1

45 Becky ak James gen yon total $4\frac{2}{8}$ pye fil. Becky gen $1\frac{5}{8}$ pye fil. Konbyen pye fil James genyen?

- A $2\frac{5}{8}$
- B $2\frac{7}{8}$
- C $3\frac{3}{8}$
- D $3\frac{5}{8}$

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Haitian Creole Edition
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Mathematics Test
Book 3
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**Pwogram Egzamen
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Liv 3**

Ane 4

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- Pa bliye montre kijan w fè jwenn repons lan lè yo mande ou sa.

46

Yo koupe yon pen antye an tranch menm gwochè a. Yo itilize yon pati nan pen an nan yon resèt epi yo itilize $\frac{2}{12}$ nan pen an pou fè yon sandwich. Yo mete rè $\frac{7}{12}$ pen an nan frijidè.

Ekri epi rezoud yon ekwasyon pou jwenn fraksyon pen an yo te itilize nan resèt la.

Montre kijan ou fè pou jwenn repons la.

Fraksyon _____

KONTINYE

47

Pandan yon wikenn lavant piyay, yon magazen vann 85 DVD a \$19 yo chak. Konbyen kantite total lajan, awondi sou santèn ki pi pre a, magazen a te fè nan DVD li te vann?

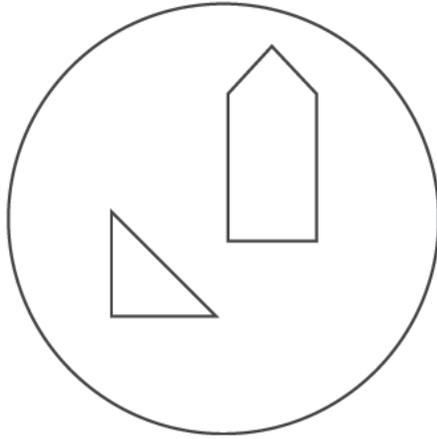
Montre kijan ou fè pou jwenn repons la.

Repons \$ _____

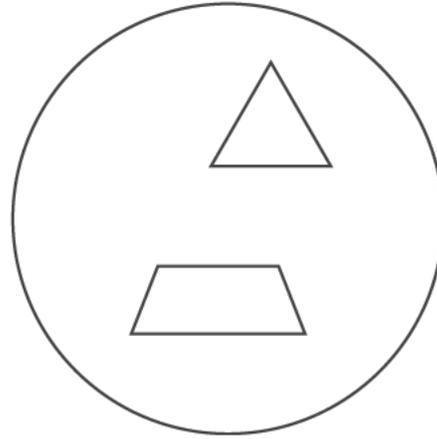
KONTINYE

Jodi klase plizyè fòm an de gwoup dapre kalite ang yo sanble genyen yo, jan ou wè pi ba a.

Gwoup A



Gwoup B



Kisa toude fòm nan Gwoup A yo gen an komen? Kisa toude fòm nan Gwoup B yo gen an komen?

Gwoup A _____

Gwoup B _____

Nan ki gwoup fòm ki anba la a sipoze ye?



Gwoup _____

KONTINYE

49

Pou yon pwojè matematik, Roxana te kreye tablo ki pi ba a pou montre kantite tan li te pase ap fè diferan aktivite yo wikenn pase a.

AKTIVITE PANDAN WIKENN

Aktivite	Kantite Tan li Pase (èdtan)
Kou Dans	$\frac{6}{5}$
Lekti	$\frac{4}{12}$
Foutbòl	$\frac{7}{8}$
Natasyon	$\frac{2}{6}$

Nan ki aktivite Roxana te pase plis pase $\frac{1}{2}$ èdtan? Eksplike kijan ou fè konnen ki aktivite ki te pran plis pase $\frac{1}{2}$ èdtan.

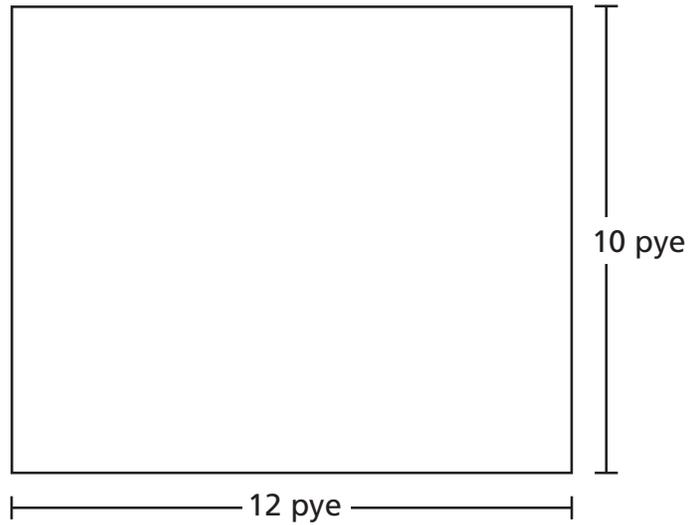
Montre kijan ou fè pou jwenn repons la.

Repons

KONTINYE

50

Figi jeyometri ki anba a reprezante yon espas pou jwe Logan te klotire pou chyen l.



Logan pral gen yon dezyèm chen epi li vle ogmante longè espas pou jwe a pa 3 pye epi lajè a pa 3 pye. Konbyen diferans nan sifas la ap ye, an pye kare, ant espas pou jwe orijinal la ak nouvo espas pou jwe a?

Montre kijan ou fè pou jwenn repons la.

Repons _____ pye kare

KONTINYE

51

Aisha ak Dave jwe menm je a sou òdinatè a epi yo konpare kiyès ki fè pi gwo pwen chak maten. Jodiya, Aisha di li te make trant mil venn senk pwen, epi Dave di li te make trant mil de san senk pwen.

Ekri yon fraz nimerik ak senbòl, $>$, $<$, oswa $=$, pou konpare kantite pwen Aisha ak kantite pwen Dave kòrèkteman.

Repons _____

KONTINYE

52

Sam te nan yon konkou nan bibliyotèk la pou l li mezi liv li te ka li nan twa mwa. Nan fen konkou a li te genyen 2 biyè pou chak liv li te li. Tablo ki anba la a montre kantite liv Sam te li chak mwa.

LIV SAM TE LI

Mwa	Kantite Liv
Janvye	15
Fevriye	13
Mas	16

Sam te kapab achte 1 kado pou chak 5 biyè li te genyen. Sam te achte kantite kado li te kapab ak biyè li yo. Konbyen kado Sam te kapab achte?

Montre kijan ou fè pou jwenn repons la epi eksplike repons ou.

Repons _____ kado

KONTINYE

53

Yon kiltivatè pyebwa te plante 3 kalite pyebwa sou 22 kawo tè. Li te plante 48 pyebwa nan chak kawo tè. Ki kantite total pyebwa kiltivatè a te plante ?

Montre kijan ou fè pou jwenn repons la.

Repons _____ pyebwa

Kiltivatè a te plante menm kantite chak kalite pyebwa. Pyebwa chenn yo se youn nan 3 kalite pyebwa li te plante yo. Ki kantite total pyebwa chenn kiltivatè a te plante?

Repons _____ pyebwa chenn

KONTINYE

Tablo ki anba la a montre gwosè ak pwa bòl salad pòm detè yo vann nan yon magazen.

SALAD PÒM DETÈ

Gwosè	Pwa (liv)
Piti	$\frac{2}{8}$
Mwayèn	$\frac{3}{8}$
Gwo	$\frac{6}{8}$
Gwo Anpil	$\frac{9}{8}$

Kim achte 6 bòl salad pòm detè ki piti epi Seth achte 2 bòl salad pòm detè ki gwo anpil. Ki diferans ki genyen nan pwa sa Kim ak sa Seth te achte yo an liv?

Montre kijan ou fè pou jwenn repons la.

Repons _____ liv

KONTINYE

55

Bill ap achte katab, kaye, ak kreyon pou premye jou lekòl. Yon kaye koute 4 fwa yon katab. Yon kaye koute 2 fwa yon bwat kreyon. Chak katab koute \$2. Detèmine pri total 1 katab, 1 kaye, ak 1 bwat kreyon.

Montre kijan ou fè pou jwenn repons la.

Repons \$ _____



Ane 4
2017 Common Core
Egzamen Matematik
Liv 3
2–4 Me 2017

Grade 4
2017 Common Core
Mathematics Test
Book 3
May 2–4, 2017

THE STATE EDUCATION DEPARTMENT
THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234
2017 Mathematics Tests Map to the Standards
Released Questions on EngageNY

Grade 4									
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)
Book 1									
1	Multiple Choice	D	1	CCSS.Math.Content.4.NBT.A.3	Number and Operations in Base Ten		0.73		
2	Multiple Choice	D	1	CCSS.Math.Content.4.MD.C.6	Measurement and Data		0.78		
3	Multiple Choice	A	1	CCSS.Math.Content.4.NF.B.3a	Number and Operations— Fractions		0.74		
4	Multiple Choice	A	1	CCSS.Math.Content.4.G.A.1	Geometry		0.59		
5	Multiple Choice	D	1	CCSS.Math.Content.4.NBT.B.5	Number and Operations in Base Ten		0.74		
6	Multiple Choice	A	1	CCSS.Math.Content.4.NF.A.1	Number and Operations— Fractions		0.59		
7	Multiple Choice	D	1	CCSS.Math.Content.4.MD.C.5a	Measurement and Data		0.62		
8	Multiple Choice	B	1	CCSS.Math.Content.4.MD.B.4	Measurement and Data		0.61		
11	Multiple Choice	C	1	CCSS.Math.Content.4.MD.A.3	Measurement and Data		0.32		
12	Multiple Choice	B	1	CCSS.Math.Content.4.OA.A.3	Operations and Algebraic Thinking		0.44		
15	Multiple Choice	C	1	CCSS.Math.Content.3.G.A.1	Geometry		0.55		
16	Multiple Choice	A	1	CCSS.Math.Content.4.MD.C.7	Measurement and Data		0.71		
17	Multiple Choice	D	1	CCSS.Math.Content.4.NF.A.1	Number and Operations— Fractions		0.66		
21	Multiple Choice	B	1	CCSS.Math.Content.4.MD.C.7	Measurement and Data		0.55		
22	Multiple Choice	B	1	CCSS.Math.Content.4.NBT.B.6	Number and Operations in Base Ten		0.71		
Book 2									
23	Multiple Choice	C	1	CCSS.Math.Content.4.OA.B.4	Operations and Algebraic Thinking		0.83		

Released Questions on EngageNY

Grade 4									
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)
24	Multiple Choice	C	1	CCSS.Math.Content.4.MD.B.4	Measurement and Data		0.81		
25	Multiple Choice	B	1	CCSS.Math.Content.4.NBT.B.5	Number and Operations in Base Ten		0.88		
26	Multiple Choice	D	1	CCSS.Math.Content.4.OA.A.1	Operations and Algebraic Thinking		0.93		
27	Multiple Choice	B	1	CCSS.Math.Content.4.NF.A.1	Number and Operations— Fractions		0.36		
28	Multiple Choice	C	1	CCSS.Math.Content.3.MD.D.8	Measurement and Data		0.76		
29	Multiple Choice	A	1	CCSS.Math.Content.4.G.A.3	Geometry		0.66		
30	Multiple Choice	C	1	CCSS.Math.Content.4.NBT.B.6	Number and Operations in Base Ten		0.77		
31	Multiple Choice	A	1	CCSS.Math.Content.4.OA.A.2	Operations and Algebraic Thinking		0.92		
32	Multiple Choice	D	1	CCSS.Math.Content.4.NF.B.4c	Number and Operations— Fractions		0.70		
35	Multiple Choice	B	1	CCSS.Math.Content.4.NF.A.2	Number and Operations— Fractions		0.59		
36	Multiple Choice	B	1	CCSS.Math.Content.4.G.A.1	Geometry		0.70		
37	Multiple Choice	A	1	CCSS.Math.Content.4.MD.C.5b	Measurement and Data		0.88		
40	Multiple Choice	B	1	CCSS.Math.Content.4.NBT.B.5	Number and Operations in Base Ten		0.66		
41	Multiple Choice	B	1	CCSS.Math.Content.4.NF.A.1	Number and Operations— Fractions		0.61		
44	Multiple Choice	B	1	CCSS.Math.Content.4.NBT.B.6	Number and Operations in Base Ten		0.76		
45	Multiple Choice	A	1	CCSS.Math.Content.4.NF.B.3c	Number and Operations— Fractions		0.41		

Released Questions on EngageNY

Grade 4									
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)
Book 3									
46	Constructed Response		2	CCSS.Math.Content.4.NF.B.3d	Number and Operations— Fractions			0.86	0.43
47	Constructed Response		2	CCSS.Math.Content.4.NBT.B.5	Number and Operations in Base Ten			1.04	0.52
48	Constructed Response		2	CCSS.Math.Content.4.G.A.1	Geometry			1.11	0.55
49	Constructed Response		2	CCSS.Math.Content.4.NF.A.2	Number and Operations— Fractions			0.97	0.48
50	Constructed Response		2	CCSS.Math.Content.4.MD.A.3	Measurement and Data			0.65	0.32
51	Constructed Response		2	CCSS.Math.Content.4.NBT.A.2	Number and Operations in Base Ten			1.56	0.78
52	Constructed Response		3	CCSS.Math.Content.4.OA.A.3	Operations and Algebraic Thinking			1.59	0.53
53	Constructed Response		3	CCSS.Math.Content.4.NBT.B.5	Number and Operations in Base Ten			1.38	0.46
54	Constructed Response		3	CCSS.Math.Content.4.NF.B.4b	Number and Operations— Fractions	CCSS.Math.Content.4.NF.B.4c		1.56	0.52
55	Constructed Response		3	CCSS.Math.Content.4.OA.A.2	Operations and Algebraic Thinking			1.74	0.58

*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.