



Our Students. Their Moment.

**New York State Testing Program
Grade 7 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.



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

Pwogram Egzamen Eta Nouyòk Egzamen Matematik Liv 1

Ane **7**

2–4 Me 2017

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 © 2017 by the New York State Education Department.

Ane 7 Fèy Referans Matematik

KONVÈSYON

1 pou = 2,54 santimèt
1 mèt = 39,37 pou
1 mil = 5.280 pye
1 mil = 1.760 yad
1 mil = 1,609 kilomèt

1 kilomèt = 0,62 mil
1 liv = 16 ons
1 liv = 0,454 kilogram
1 kilogram = 2,2 liv
1 tòn = 2.000 liv

1 tas = 8 ons likid
1 pent = 2 tas
1 ka = 2 pent
1 galon = 4 ka
1 galon = 3,785 lit
1 lit = 0,264 galon
1 lit = 1.000 santimèt kib

FÒMIL

Triyang

$$A = \frac{1}{2}bh$$

Paralelogram

$$A = bh$$

Sèk

$$A = \pi r^2$$

Sèk

$$C = \pi d \text{ oswa } C = 2\pi r$$

Prism Jeneral

$$V = Bh$$

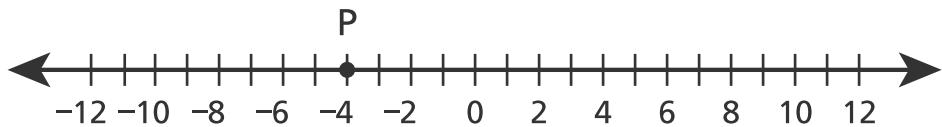
Liv 1

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 chwazi repons ou.
- Yo ba w enstriman jeometri (yon règ, ak yon rapòtè) epi yon papye ki gen fòmil yo ladan pou w sèvi pandan egzamen an. Se ou k pou konnen kilè pou sèvi ak chak gress nan enstriman jeometri yo avèk papye fòmil la tou. Ou ka sèvi ak enstriman jeometri yo avèk papye fòmil la tou nenpòt ki lè w panse l ap ede w reponn yon kesyon.

- 1** Nou montre pwen P sou dwat nimerik ki anba la a.



Distans ant pwen Q ak pwen P se $6\frac{1}{2}$ inite. Ki chif ki te kapab reprezante pwen Q?

A $-9\frac{1}{2}$

B $1\frac{1}{2}$

C $2\frac{1}{2}$

D $10\frac{1}{2}$

- 2** Madmwazèl Gartland te achte x kantite mayo pou novo moun ki vini nan koral li a. Pri pou x mayo, plis livrezon pou \$3,99, te a \$77,49. Chak mayo te koute \$12,25. Pa te gen taks sou lavant pou acha sa a. Ki ekwasyon ou te kapab itilize pou jwenn x ?

A $3,99(x + 12,25) = 77,49$

B $3,99x + 12,25 = 77,49$

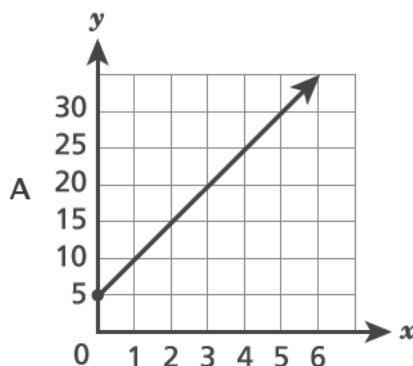
C $12,25(x + 3,99) = 77,49$

D $12,25x + 3,99 = 77,49$

KONTINYE

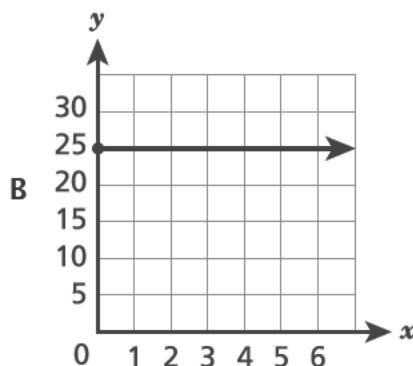
3

Ki reprezantasyon ki montre yon relasyon pwopòsyonèl ant x ak y ?



C

x	y
2	8
4	16
8	24
12	32



D

x	y
2	3
4	6
8	12
12	18

4

Chak senk ane, yo anregistre popilasyon yon vil pandan mwad mas la. Nan ane 1995, popilasyon vil la te 4.500 moun. Kòmanse 1995 jiska 2000, popilasyon an te ogmante pa 15%. Kòmanse 2000 jiska 2005, popilasyon an te bese pa 4%. Popilasyon vil la te a konbyen an 2005?

- A 4.527
- B 4.968
- C 4.995
- D 5.382

9 Yon kote mezire $(s + 3)$ pouz an longè. Ki pè ekspresyon ki reprezante perimèt kare sa a?

A $2s + 3$

B ak

$(s + 3)(s + 3)$

C $2(s + 3)$

D ak

$(s + 3)(s + 3)$

E $4s + 3$

F ak

$(s + 3) + (s + 3) + (s + 3) + (s + 3)$

G $4(s + 3)$

H ak

$(s + 3) + (s + 3) + (s + 3) + (s + 3)$

10 Ki ekspresyon ki gen menm valè ak $59,2 - 84,7$?

A $84,7 - 59,2$

B $-84,7 + (-59,2)$

C $59,2 - (-84,7)$

D $59,2 + (-84,7)$

KONTINYE

11

Winston bezwen pou pi piti 80 siyati nan men elèv nan lekòl li a avan l ap ka prezante tèt li kòm kandida pou prezidan klas. Li deja gen 23 siyati. Li menm ak de zanmi l pwal kolekte rès siyati yo pandan rekreyasyon. Si chak moun jwenn menm kantite siyati a, ki inegalite Winston kapab itilize pou detèmine minimòm kantite siyati chak moun dwe jwenn pou li kapab prezante tèt li kòm kandida pou prezidan klas?

- A $3x + 80 \geq 23$
- B $3x + 80 \leq 23$
- C $3x + 23 \geq 80$
- D $3x + 23 \leq 80$

12

Nan maten, yon kiltivatè te anbale 3 pent frèz chak 4 minit. Nan apremidi, li te anbale 2 pent frèz chak 3 minit. Konbyen pent pa èdtan diferans ki te genyen ant vitès li te anbale nan maten an ak vitès li te anbale nan apremidi a?

- A 5
- B 10
- C 40
- D 45

13

Ki ekspresyon ki kapab fè ekwasyon sa a kòrèk pou tout valè x ?

$$16x - 16 = 4(\underline{\quad}?)$$

- A $4x - 4$
- B $4x - 16$
- C $2x - 2$
- D $12x - 12$

KONTINYE

14

Ki nimewo ki ekivalan ak $\frac{43}{12}$?

- A 3,583
- B $3,5\bar{8}3$
- C $3,\overline{58}3$
- D $3,\overline{5}83$

15

Mesye Santino bezwen yon total 406 fouchèt pou restoran I lan. Kounye a li gen 278 fouchèt. Si chak bwat gen 12 fouchèt, ki kantite bwat fouchèt li sipoze achte pou pi piti?

- A 11
- B 12
- C 128
- D 140

16

Si ekspresyon ki pi ba a gen yon valè pozitif, ki inegalite ki reprezante tout valè x ki posib nan ekspresyon an?

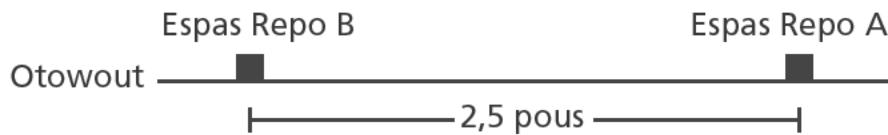
$$-3x$$

- A $x < 0$
- B $x > 0$
- C $x \leq 0$
- D $x \geq 0$

KONTINYE

19

Jensen te kanpe nan zòn repo A a ki sou lèkote wout la. Kat li a, ki pi ba a gen yon echèl 1 pouz pou 35 mil.



Jensen te gen plan kanpe nan zòn repo B a ann aprè. Konbyen mil ki genyen ant de zòn repo sa yo pou tout bon?

- A 14,0
- B 37,5
- C 70,5
- D 87,5

20

Ki deklarasyon ki dekri desimal ki ekivalan ak $\frac{7}{8}$?

- A Se yon desimal ki gen plizyè 5 ki repete youn apre lòt.
- B Se yon desimal ki gen plizyè 75 ki repete youn apre lòt.
- C Se yon desimal ki fini aprè 2 plas desimal.
- D Se yon desimal ki fini aprè 3 plas desimal.

KONTINYE

21

Ki ekspresyon ki ekivalan ak ekspresyon ki anba la a?

$$-\frac{1}{2} \left(-\frac{3}{2}x + 6x + 1 \right) - 3x$$

- A $\frac{3}{2}x - \frac{1}{2}$
- B $6\frac{3}{4}x - \frac{1}{2}$
- C $-\frac{3}{4}x + \frac{1}{2}$
- D $-5\frac{1}{4}x - \frac{1}{2}$

22

Leanne sanble done pandan tout sezon baskètbòl la epi li itilize done sa yo pou l ka konnen pwobabilite diferan ekip k ap jwe nan match chanpyona lig la. Pwobabilite kat ekip k ap jwe nan chanpyona li pi pito yo nan tablo ki pi ba a.

- Tigers: $P = \frac{2}{3}$
- Redbirds $P = \frac{4}{5}$
- Bulldogs: $P = \frac{3}{8}$
- Titans: $P = \frac{1}{2}$

Kiyès nan ekip sa yo ki gen **pi piti chans** jwe nan match chanpyona a?

- A Tigers
- B Redbirds
- C Bulldogs
- D Titans

KONTINYE

25

Balans inisyal yon kont epay te gen \$275 ladan. Aprè ki tranzaksyon balans kont epay la ap menm ak balans inisyal la?

- A yon retrè \$232 apre yon depo \$132
- B yon depo \$278 apre yon retrè \$278
- C yon retrè \$115 apre yon depo \$312
- D yon depo \$205 apre yon retrè \$317

26

Yon chèchè te mennen ankèt sou senk anplwaye yo te chwazi owaza nan chak kat diferan konpayi konsènan trajè yo pou ale travay chak jou. Tablo a montre kantite tan trajè anplwaye yo pou ankèt la.

TAN TRAJÈ POU ANPLWAYE YO CHWAZI YO

Kantite Tan Pou Konpayi 1 (minit)	Kantite Tan Pou Konpayi 2 (minit)	Kantite Tan Pou Konpayi 3 (minit)	Kantite Tan Pou Konpayi 4 (minit)
24	6	15	13
26	32	15	10
28	9	15	45
23	31	15	12
21	21	15	15

Daprè done a, ki konpayi ki gen **plis** anplwaye ki pran plis tan nan trajè yo?

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

KANPE LA

Ane 7
2017 Common Core
Egzamen Matematik
Liv 1
2–4 Me 2017

Grade 7
2017 Common Core
Mathematics Test
Book 1
May 2–4, 2017

Non: _____



Haitian Creole Edition
Grade 7 Common Core
Mathematics Test
Book 2
May 2–4, 2017

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

Ane 7

2–4 Me 2017

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 © 2017 by the New York State Education Department.

Ane 7 Fèy Referans Matematik

KONVÈSYON

1 pou = 2,54 santimèt
1 mèt = 39,37 pou
1 mil = 5.280 pye
1 mil = 1.760 yad
1 mil = 1,609 kilomèt

1 kilomèt = 0,62 mil
1 liv = 16 ons
1 liv = 0,454 kilogram
1 kilogram = 2,2 liv
1 tòn = 2.000 liv

1 tas = 8 ons likid
1 pent = 2 tas
1 ka = 2 pent
1 galon = 4 ka
1 galon = 3,785 lit
1 lit = 0,264 galon
1 lit = 1.000 santimèt kib

FÒMIL

Triyang

$$A = \frac{1}{2}bh$$

Paralelogram

$$A = bh$$

Sèk

$$A = \pi r^2$$

Sèk

$$C = \pi d \text{ oswa } C = 2\pi r$$

Prism Jeneral

$$V = Bh$$

Liv 2

KONSEY POU PRAN EGZAMEN AN

Men kèk sijesyon pou ede ou bay pi bon rannman:

- Byen li chak kesyon epi reflechi sou chak repons anvan w ekri l.
- Yo ba w enstriman jeometri (yon règ, yon rapòtè ak yon kalkilatris) epi yon papye ki gen fòmil yo ladan pou w sèvi pandan egzamen an. Se ou k pou konnen kilè pou sèvi ak chak grenn nan enstriman jeometri yo avèk papye fòmil la tou. Ou ka sèvi ak enstriman jeometri yo avèk papye fòmil la tou nenpòt ki lè w panse l ap ede w reponn yon kesyon.

27 Nan yon desen alechèl yon apatman, 1 santimèt reprezante $2\frac{3}{4}$ pye. Si longè kizin nan se $4\frac{1}{2}$ santimèt sou desen alechèl la, konbyen pye kizin nan ye an longè pou tout bon?

A $6\frac{2}{3}$

B $7\frac{1}{4}$

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

D $12\frac{3}{8}$

28 Yon tren gen biyè disponib pou 12 plas bò fenèt ak 8 plas bò ale a. Y ap mete pwochen moun ki achte yon biyè chita nan youn nan plas sa yo. Ki pwobabilite ki genyen pou yo mete pwochen moun nan chita nan plas ki bò ale a?

A $\frac{1}{8}$

B $\frac{2}{5}$

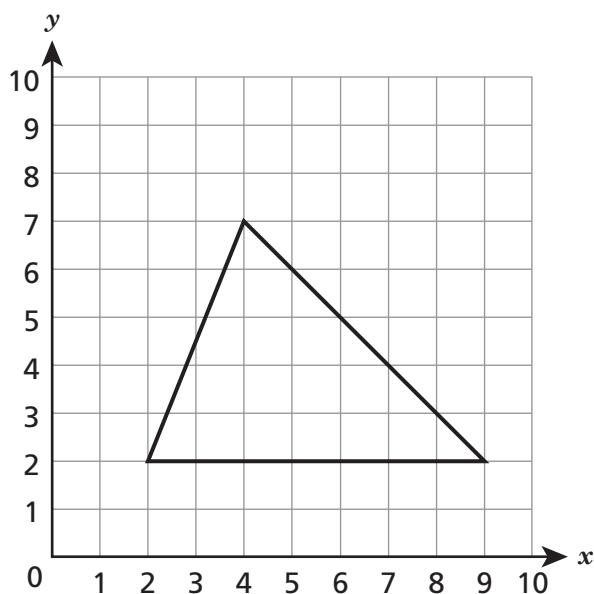
C $\frac{1}{2}$

D $\frac{2}{3}$

KONTINYE

32

Gen yon desen alechèl yon chan an fòm triyang pi ba a.

**LEJANN**

= 2 mèt

Konbyen mèt kare sifas chan sa a ye pou tout bon?

- A 8,75
- B 17,5
- C 35
- D 70

33

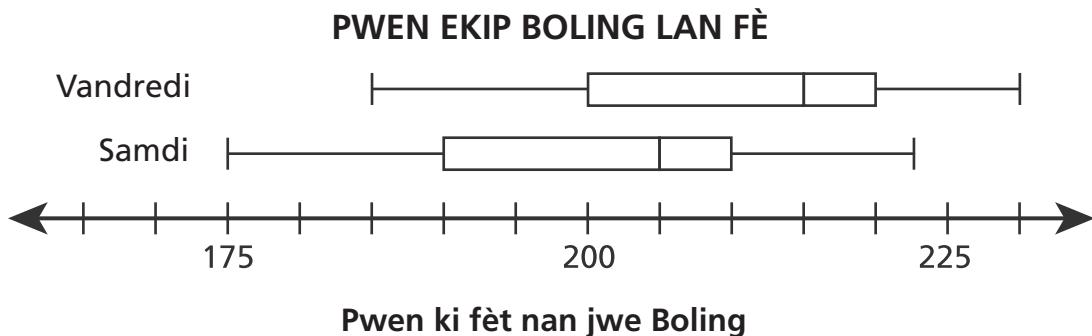
Yon machin itilize $1\frac{1}{8}$ galon gaz pou vwayaje $13\frac{1}{2}$ mil. Ak vitès sa a, konbyen mil machin nan ka kouri pa galon gaz?

- A $\frac{16}{243}$
- B $\frac{4}{3}$
- C 12
- D 13

KONTINYE

34

Yon ekip boling ap patisce nan yon konpetisyon de jou epi yo anrejistre pwen chak ekip make pou toude jou yo. Pwen pou toude jou yo reprezante nan dyagram an bwat yo ki pi ba a



Ki konklizyon ou kapab tire ak dyagram an bwat yo?

- A Pwen vandredi ak pwen samdi yo gen menm medyàn ak entèval entèkatil.
- B Pwen vandredi yo gen yon pi gran medyàn ak yon pi gran entèval entèkatil pase pwen samdi yo.
- C Pwen vandredi yo gen yon gran entèval entèkatil pase pwen samdi yo, men toude gwoup done yo gen menm medyàn nan.
- D Pwen vandredi yo gen pi gran medyàn pase pwen samdi yo, men tou de gwoup done gen menm entèval entèkatil la.

35

Ki ekspresyon ki ekivalan ak $\frac{7}{2}h - 3(5h - \frac{1}{2})$?

- A $-\frac{23}{2}h + \frac{3}{2}$
- B $-\frac{23}{2}h - \frac{3}{2}$
- C $\frac{37}{2}h + \frac{3}{2}$
- D $\frac{37}{2}h - \frac{3}{2}$

KONTINYE

36

Jeanette te achte yon biyè pou yon konsè sou yon sitwèb. Pri orijinal tikè a te \$75. Li te itilize yon koupon pou l te gen yon rabè 20%. Sitwèb la te ajoute yon frè sèvis 10% sou pri rabè a. A konbyen poustan tikè Jeanette la te pi bon mache pase pri orijinal la?

- A 7%
- B 10%
- C 12%
- D 28%

37

Yon pwofesè Literati Anglè vle kèmande liv pou tout elèv nan klas setyèm ane li yo. Li vle rive konnen kalite liv elèv klas setyèm ane li yo pi renmen. Ki echantyon ki t ap pi koresponn ak sondaj sa a?

- A 7 tifi nan chak nan klas li yo
- B chak senkyèm elèv ki nan klas setyèm ane
- C 1 elèv sou 7 nan lekòl primè l la
- D tout tigason nan youn nan klas setyèm ane li yo

38

Kantite lajan ki nan yon kont labank te ogmante a 21,5% pandan ane ki sot pase a. Si kantite lajan nan kèmansman ane a reprezante pa n , ki ekspresyon ki reprezante kantite lajan ki nan kont labank la aprè ogmantasyon an?

- A $n + 0,215n$
- B $n + 21,5n$
- C $0,215n$
- D $21,5n$

KONTINYE

39

Kiyo te itilize fil fè pou monte yon kloti arebò yon espas an fòm won ki fòme yon reyon sikilè nan lakou dèyè li a. Si reyon reyon sikilè a te 5 yad, konbyen longè total kloti a te ye, lè ou awondi li nan dizyèm yad ki pi pre a?

- A 15,7
- B 31,4
- C 78,5
- D 157,1

40

Long kote yon triyang se $(5,5x + 6,2y)$ santimèt, $(4,3x + 8,3z)$ santimèt, ak $(1,6z - 5,1y)$ santimèt. Ki ekspresyon ki reprezante perimèt triyang la, an santimèt?

- A $11,4xz + 9,4yz$
- B $11,7xy + 12,6xz - 3,5yz$
- C $9,8x + 1,1y + 9,9z$
- D $9,8x + 7,8y + 3,5z$

41

Carl vle achte yon televizyon ki koute \$500, ak taks ladan. Pou peye televizyon an, l ap itilize yon plan peman kote l ap bezwen peye yon premye peman ki a \$125, epi apresa pou l peye \$72,50 chak mwa pandan 6 mwa. A konbyen pousantaj pri orijinal televizyon an ogmantasyon lè ou konpare l ak pri televizyon an si l itilize plan peman an?

- A 6%
- B 12%
- C 58%
- D 89%

42

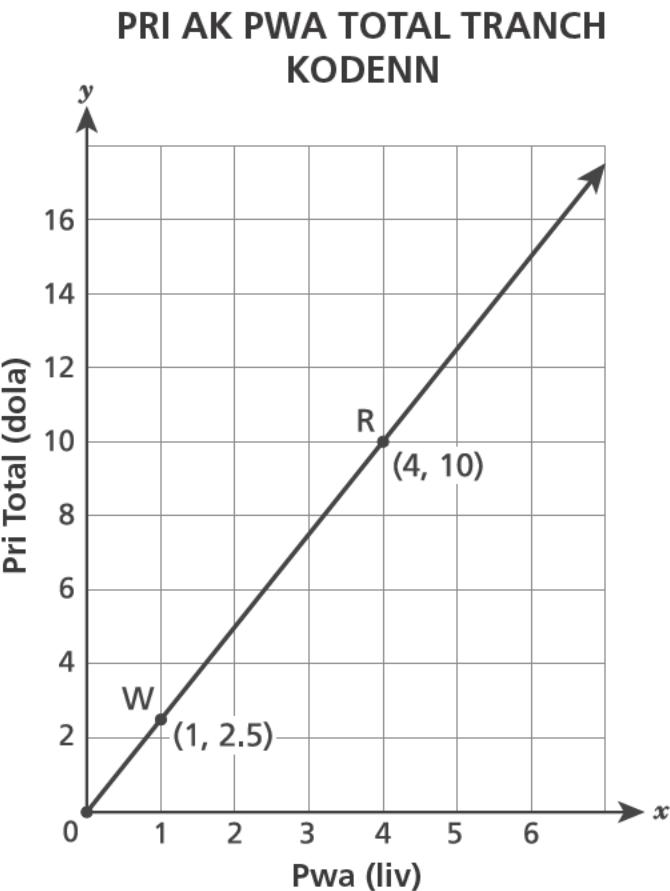
Yolanda te patisipe nan yon mach pou kolekte lajan kote moun yo te fè \$10 pou chak kilomèt. Objektif li te pou kolekte plis pase \$300 samdi ak dimanch. Li te kolekte \$50 samdi. Ki graf ki montre konbyen kilomèt Yolanda te kapab mache dimanch lan, pou l te rive reyalize objektif li a?



KONTINYE

43

Yon makèt ap vann tranch kodenn. Graf la montre relasyon ant gwochè tranch kodenn nan ak pri total tranch kodenn nan. De pwen, R ak W, make nan graf ki anba la a.



Ki deklarasyon sou graf la ki vrè?

- A Pwen R vle di to inite a se \$10,00 pa liv.
- B Pwen R vle di to inite a se 4 liv pa dola.
- C Pwen W vle di to inite a se \$2,50 pa liv.
- D Pwen W vle di to inite a se 2,5 liv pa dola.

44

Y ap vann yon atik pri orijinal li se p ak yon rabè 25%. Ki ekspresyon ki **pa** ekivalan ak pri atik ki gen rabè a?

A $(1,0p - 0,25p)$

B $(1,0 - 0,25)p$

C $0,75p$

D $0,25p$

45

Yon sèk gen yon dyamèt ki gen 26 inite. Konbyen sifas sèk la ye awondi rive nan santiyèm ki pi pre a nan yon inite kare?

A $81,68$

B $530,93$

C $2.123,72$

D $8.494,87$

46

Yon rektang mezire $6\frac{2}{3}$ pouz an lajè. Longè rektang la de fwa plis pase lajè l. Konbyen perimèt rektang lan ye?

A 20 pouz

B 40 pouz

C $30\frac{2}{3}$ pouz

D $88\frac{8}{9}$ pouz

KONTINYE

47

Yon elèv itilize yon solisyon ki gen 16 gram dlo pou fè yon eksperyans evaporasyon.

- Alafen inèdtan, kantite dlo nan solisyon an te bese a 3,5%.
- Alafen dezèdtan, kantite dlo nan solisyon an te bese a yon lòt 4,25%.

Ki kalkilasyon nou kapab itilize pou detèmine kantite dlo, an gram, ki rete nan solisyon an nan fen dezèdtan?

A Etap 1: $0,035 \times 16 = 0,56$

Etap 2: $16 - 0,56 = 15,44$

Etap 3: $0,0425 \times 15,44 = 0,6562$

Etap 4: $16 - 0,6562 = 15,3438$

B Etap 1: $0,035 \times 16 = 0,56$

Etap 2: $16 - 0,56 = 15,44$

Etap 3: $0,0425 \times 15,44 = 0,6562$

Etap 4: $15,44 - 0,6562 = 14,7838$

C Etap 1: $0,35 \times 16 = 5,6$

Etap 2: $16 - 5,6 = 10,4$

Etap 3: $0,425 \times 10,4 = 4,42$

Etap 4: $16 - 4,42 = 11,58$

D Etap 1: $0,35 \times 16 = 5,6$

Etap 2: $16 - 5,6 = 10,4$

Etap 3: $0,425 \times 10,4 = 4,42$

Etap 4: $10,4 - 4,42 = 5,98$

KONTINYE

50

Ki valè ekspresyon $\left(-\frac{8}{9}\right) \div \left(-\frac{2}{3}\right) \times \left(-4\frac{1}{2}\right)$?

A -6

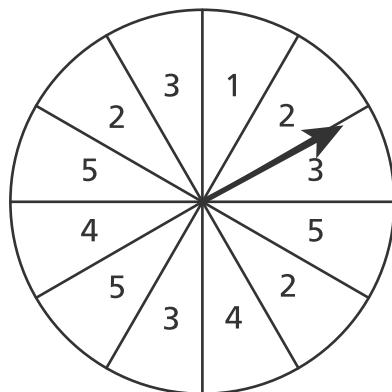
B $-\frac{8}{27}$

C $\frac{8}{27}$

D 6

51

Yon jwèt sou plato gen yon jiwèt ki divize an seksyon egal. Chak seksyon make ak yon chif ant 1 ak 5.



Ki chif ki yon estimasyon rezonab kantite fwa jiwèt la pral tonbe sou yon seksyon ki make 5 si yo vire li 150 fwa?

A 15

B 25

C 40

D 60

Ane 7
2017 Common Core
Egzamen Matematik
Liv 2
2–4 Me 2017

Grade 7
2017 Common Core
Mathematics Test
Book 2
May 2–4, 2017

Non: _____



Haitian Creole Edition
Grade 7 Common Core
Mathematics Test
Book 3
May 2–4, 2017

Pwogram Egzamen Eta Nouyòk Egzamen Matematik Liv 3

Ane **7**

2–4 Me 2017

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 © 2017 by the New York State Education Department.

Ane 7 Fèy Referans Matematik

KONVÈSYON

1 pou = 2,54 santimèt	1 kilomèt = 0,62 mil	1 tas = 8 ons likid
1 mèt = 39,37 pou	1 liv = 16 ons	1 pent = 2 tas
1 mil = 5.280 pye	1 liv = 0,454 kilogram	1 ka = 2 pent
1 mil = 1.760 yad	1 kilogram = 2,2 liv	1 galon = 4 ka
1 mil = 1,609 kilomèt	1 tòn = 2.000 liv	1 galon = 3,785 lit
		1 lit = 0,264 galon
		1 lit = 1.000 santimèt kib

FÒMIL

Triyang

$$A = \frac{1}{2}bh$$

Paralelogram

$$A = bh$$

Sèk

$$A = \pi r^2$$

Sèk

$$C = \pi d \text{ oswa } C = 2\pi r$$

Prism Jeneral

$$V = Bh$$

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 ekri repons ou.
- Yo ba w enstriman jeometri (yon règ, yon rapòtè ak yon kalkilatris) epi yon papye ki gen fòmil yo ladan pou w sèvi pandan egzamen an. Se ou k pou konnen kilè pou sèvi ak chak grenn nan enstriman jeometri yo avèk papye fòmil la tou. Ou ka sèvi ak enstriman jeometri yo avèk papye fòmil la tou nenpòt ki lè w panse l ap ede w reponn yon kesyon.
- Pa blyie montre travay ou lè yo mande ou sa.

52

Jwenn valè ekspresyon an.

$$\frac{5}{(-1,5 + 9,5)} + \frac{0,4(7 + 11)}{-0,2}$$

Montre kijan ou fè pou jwenn repons la.

Repons _____

KONTINYE

53

Yon mize louvri a 8è dimaten. Nan premye èdtan an, 350 moun te achte biyè pou antre. Nan dezyèm èdtan an, 20% moun anplis te achte biyè admision pase moun ki te achte nan premye èdtan an. Chak biyè antre te koute \$17,50.

Ki kantite total lajan yo te peye pou tout biyè yo te achte pandan premye dezèdtan yo?

Montre kijan ou fè pou jwenn repons la.

Repons \$_____

KONTINYE

54

Mick te peye \$2,94 kòm taks pou yon atik ki te koute \$42,00 avan. Avèk to sa a, konbyen lajan taks li t ap peye pou yon atik ki koute \$58,00 avan taks?

Montre kijan ou fè pou jwenn repons la.

Repons \$_____

KONTINYE

55

Nan yon magazen, yo chwazi kliyan yo owaza pou patisipe nan yon sondaj. Vandredi, te gen 500 kliyan nan magazen an. Pami kliyan sa yo, yo te chwazi 90 pou patisipe nan sondaj la. Samdi, responsab magazen an t ap tann pou gen 700 kliyan nan magazen an. Si pwobabilite pou chwazi yon moun pou patisipe nan sondaj la nan samdi menm ak vandredi, konbyen kliyan y ap chwazi pou patisipe nan sondaj la samdi?

Montre kijan ou fè pou jwenn repons la.

Repons _____ kliyan samdi

KONTINYE

56

Yon klèb esklolè bezwen 300 pye kòd pou yon pwojè. Yo gen kantite kòd ki nan lis anba la a.

- 2 moso kòd ki mezire 16 mèt an longè yo chak
- 1 moso kòd ki mezire 12,5 mèt an longè
- 1 moso kòd ki mezire 123,25 mèt an longè

Konbyen pye kòd an plis klèb eskolè ap gen bezwen pou yo kapab gen ase kòd pou pwojè yo a?

Montre kijan ou fè pou jwenn repons la.

Repons _____ pye kòd an plis

KONTINYE

57

Tablo pi ba a liste mas ak volim plizyè menm kalite moso metal la. Gen yon relasyon pwopòsyonèl ant mas ak volim moso metal yo.

MOSO METAL

Mas (gram)	Volim (santimèt kib)
34,932	4,1
47,712	5,6
61,344	7,2
99,684	11,7

Yon moso metal gen volim li a 15,3 santimèt kib. Kalkile konbyen mas li peze an gram. Awondi repons ou nan dizyèm gram ki pi pre a.

Montre kijan ou fè pou jwenn repons la.

Repons _____ gram

KONTINYE

58

Tablo ki pi ba a montre chanjman ki genyen chak semèn pandan kat semèn nan pri gram lò.

YON GRAM LÒ

Semèn	Chanjman nan Pri Chak Semèn (dola)
1	+1,25
2	- 3,125
3	+0,625
4	+1,5

Pou konbyen yon gram lò chanje depi kòmansman semèn 1 jiska fen semèn 4?
Èske pri a te ogmante oswa bese?

Eksplike kijan ou te fè pou jwenn repons la.

Nan fen semèn 4, pri gram lò a te \$39,28. Konbyen pri gram lò a te ye nan kòmansman semèn 1?

Montre kijan ou fè pou jwenn repons la.

Repons _____ konbyen pa gram lò

KONTINYE

Hallum Hardware te fè yon pil anons sou papye pou fè piblisite pou yon kalite kapèt y ap vann pi bon mache. Yon pati nan anons sou papye yo pi ba a.

PIYAY KAPÈT NAN HALLUM HARDWARE

Sifas (pye kare)	Pri (dola)
500	750
1.000	1.500
1.500	2.250
2.000	3.000

Guillen Floors ap fè piblisite pou menm kalite kapèt la a 10% pye kare an mwens pase Hallum Hardware. Kalkile konbyen 700 pye kare kapèt ap vini w si se nan Guillen Floors w al achte.

Montre kijan ou fè pou jwenn repons la.

Repons \$_____

KONTINYE

60

Yon gram yon eleman ki nan yon metal gen 0,52 gram kwiv ak 0,26 gram zenk. Sa k rete nan eleman an se nikèl. Ben estime gen 0,2 gram nikèl nan 1 gram nan eleman an. Li itilize sa a pou l te fè estimasyon an kantite nikèl nan 35 gram nan eleman an. Jwenn rezulta estrateji estimasyon Ben nan. Apresa, jwenn kantite egzat nikèl ki genyen nan 35 gram nan eleman an.

Montre kijan ou fè pou jwenn repons la.

Estimasyon Ben _____ gram

Kantite egzat _____ gram

KONTINYE

61

Ane pase, yon manadjè pwopriyete te achte senk menm pèl nèj yo ak sis menm sak sèl yo. Pri total pèl nèj yo te \$172,50, avan taks, epi chak sak sèl te koute \$6,20, avan taks.

Ane sa a, manadjè pwopriyete a te achte de menm pèl nèj yo ak kat menm sak sèl yo. Pri total pèl nèj yo te \$70,38, avan taks, epi chak sak sèl te koute \$26,04, avan taks.

Kalkile kiyès nan atik sa yo pou santaj pri a te plis ogmante lè ou konpare pri ane pase a ak ane sa a. Pa blyie awondi ogmantasyon pou santaj atik sa a nan pou santaj antye ki pi pre a.

Montre kijan ou fè pou jwenn repons la.

Repons _____ ak _____ %

KANPE LA

Ane 7
2017 Common Core
Egzamen Matematik
Liv 3
2–4 Me 2017

Grade 7
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 7	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	C	1	CCSS.Math.Content.7.NS.A.1b	The Number System			0.76			
2	Multiple Choice	D	1	CCSS.Math.Content.7.EE.B.4a	Expressions and Equations			0.65			
3	Multiple Choice	D	1	CCSS.Math.Content.7.RP.A.2a	Ratios and Proportional Relationships			0.37			
4	Multiple Choice	B	1	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships			0.52			
9	Multiple Choice	D	1	CCSS.Math.Content.7.EE.A.2	Expressions and Equations			0.54			
10	Multiple Choice	D	1	CCSS.Math.Content.7.NS.A.1c	The Number System			0.63			
11	Multiple Choice	C	1	CCSS.Math.Content.7.EE.B.4b	Expressions and Equations			0.54			
12	Multiple Choice	A	1	CCSS.Math.Content.7.RP.A.1	Ratios and Proportional Relationships			0.62			
13	Multiple Choice	A	1	CCSS.Math.Content.7.EE.A.1	Expressions and Equations			0.61			
14	Multiple Choice	B	1	CCSS.Math.Content.7.NS.A.2d	The Number System			0.68			
15	Multiple Choice	A	1	CCSS.Math.Content.7.EE.B.4a	Expressions and Equations			0.57			
16	Multiple Choice	A	1	CCSS.Math.Content.7.NS.A.2a	The Number System	CCSS.Math.Content.7.EE.B.4		0.33			
19	Multiple Choice	D	1	CCSS.Math.Content.7.G.A.1	Geometry			0.61			
20	Multiple Choice	D	1	CCSS.Math.Content.7.NS.A.2d	The Number System			0.49			
21	Multiple Choice	D	1	CCSS.Math.Content.7.EE.A.1	Expressions and Equations			0.30			
22	Multiple Choice	C	1	CCSS.Math.Content.7.SP.C.5	Statistics and Probability			0.64			

Released Questions on EngageNY									
Grade 7	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)
	25	Multiple Choice	B	1	CCSS.Math.Content.7.NS.A.1a	The Number System		0.66	
	26	Multiple Choice	A	1	CCSS.Math.Content.7.SP.B.4	Statistics and Probability		0.74	
Book 2									
	27	Multiple Choice	D	1	CCSS.Math.Content.7.G.A.1	Geometry		0.65	
	28	Multiple Choice	B	1	CCSS.Math.Content.7.SP.C.7a	Statistics and Probability		0.50	
	32	Multiple Choice	D	1	CCSS.Math.Content.7.G.A.1	Geometry		0.29	
	33	Multiple Choice	C	1	CCSS.Math.Content.7.RP.A.1	Ratios and Proportional Relationships		0.67	
	34	Multiple Choice	D	1	CCSS.Math.Content.7.SP.B.3	Statistics and Probability		0.34	
	35	Multiple Choice	A	1	CCSS.Math.Content.7.EE.A.1	Expressions and Equations		0.40	
	36	Multiple Choice	C	1	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships		0.35	
	37	Multiple Choice	B	1	CCSS.Math.Content.7.SP.A.1	Statistics and Probability		0.77	
	38	Multiple Choice	A	1	CCSS.Math.Content.7.EE.A.2	Expressions and Equations		0.38	
	39	Multiple Choice	B	1	CCSS.Math.Content.7.G.B.4	Geometry		0.48	
	40	Multiple Choice	C	1	CCSS.Math.Content.7.EE.A.1	Expressions and Equations		0.58	
	41	Multiple Choice	B	1	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships		0.52	
	42	Multiple Choice	B	1	CCSS.Math.Content.7.EE.B.4b	Expressions and Equations		0.46	
	43	Multiple Choice	C	1	CCSS.Math.Content.7.RP.A.2d	Ratios and Proportional Relationships		0.64	
	44	Multiple Choice	D	1	CCSS.Math.Content.7.EE.A.2	Expressions and Equations		0.40	

Released Questions on EngageNY															
Grade 7	Question	Type	Key	Points	Standard	Cluster	Secondary Standard(s)	Multiple Choice Questions:							
								Percentage of Students Who Answered Correctly (P-Value)							
	45	Multiple Choice	B	1	CCSS.Math.Content.7.G.B.4	Geometry		0.56							
	46	Multiple Choice	B	1	CCSS.Math.Content.7.NS.A.3	The Number System		0.53							
	47	Multiple Choice	B	1	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships		0.47							
	50	Multiple Choice	A	1	CCSS.Math.Content.7.NS.A.2c	The Number System		0.62							
	51	Multiple Choice	C	1	CCSS.Math.Content.7.SP.C.6	Statistics and Probability		0.44							
Book 3															
	52	Constructed Response		2	CCSS.Math.Content.7.EE.B.3	Expressions and Equations		0.94							
	53	Constructed Response		2	CCSS.Math.Content.7.EE.B.3	Expressions and Equations		0.95							
	54	Constructed Response		2	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships		0.88							
	55	Constructed Response		2	CCSS.Math.Content.7.SP.C.6	Statistics and Probability		1.05							
	56	Constructed Response		2	CCSS.Math.Content.7.NS.A.3	The Number System		0.79							
	57	Constructed Response		2	CCSS.Math.Content.7.RP.A.2b	Ratios and Proportional Relationships		0.84							
	58	Constructed Response		3	CCSS.Math.Content.7.NS.A.3	The Number System		1.00							
	59	Constructed Response		3	CCSS.Math.Content.7.RP.A.2	Ratios and Proportional Relationships		1.08							
	60	Constructed Response		3	CCSS.Math.Content.7.EE.B.3	Expressions and Equations		1.22							
	61	Constructed Response		3	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships		0.66							

*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.