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Our Students. Their Moment.

New York State Testing Program
Grade 6 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 6 Common Core
Mathematics Test
Book 1
May 2–4, 2017

Pwogram Egzamen Eta Nouyòk Egzamen Matematik Liv 1

Ane 6

2–4 Me 2017

Released Questions

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Ane 6 Fèy Referans Matematik

KONVÈSYON

1 pous = 2,54 santimèt
1 mèt = 39,37 pous
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	$A = \frac{1}{2}bh$
Prism Rektangilè Dwa	$V = Bh$ oswa $V = lwh$

Liv 1

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 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 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.

1 Yon boulanje vann 5 mòfenn pòm pou chak 2 mòfenn ble yo vann. Ki tablo ki montre rasyo sa a?

A

Pòm	Ble
5	2
10	12
20	22

C

Pòm	Ble
5	2
18	8
20	10

B

Pòm	Ble
10	4
15	6
35	14

D

Pòm	Ble
20	4
30	6
40	8

2 Nan ki ansanm tout valè yo fè inegalite $2x - 1 < 10$ vrè?

A {10, 15, 20}

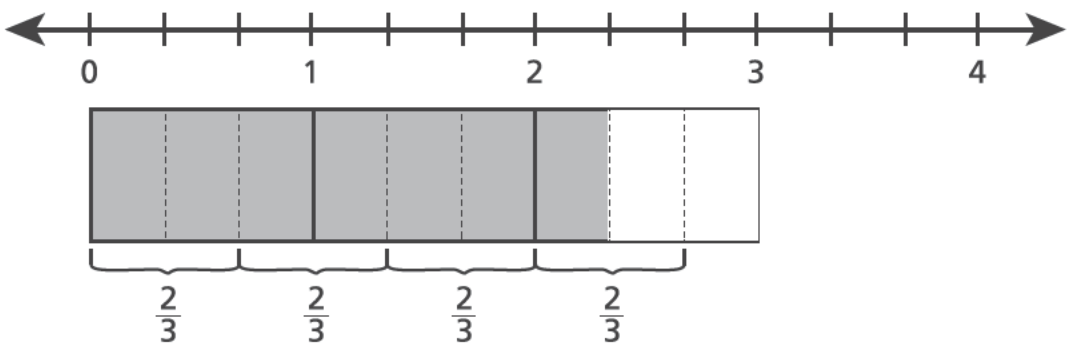
B {5, 7, 9}

C {4, 6, 8}

D {2, 3, 4}

KONTINYE

3 Modèl ki anba la a reprezante yon pwoblèm divizyon.



Ki ekwasyon modèl la reprezante?

A $2\frac{1}{3} \div \frac{2}{3} = 3\frac{1}{2}$

B $2\frac{1}{3} \div \frac{2}{3} = 3\frac{1}{3}$

C $\frac{7}{1} \div \frac{1}{3} = 2\frac{1}{3}$

D $\frac{2}{3} \div 3\frac{1}{2} = 2\frac{1}{3}$

4 Ki valè ekspresyon anba la a?

$$2[3(4^2 + 1)] - 2^3$$

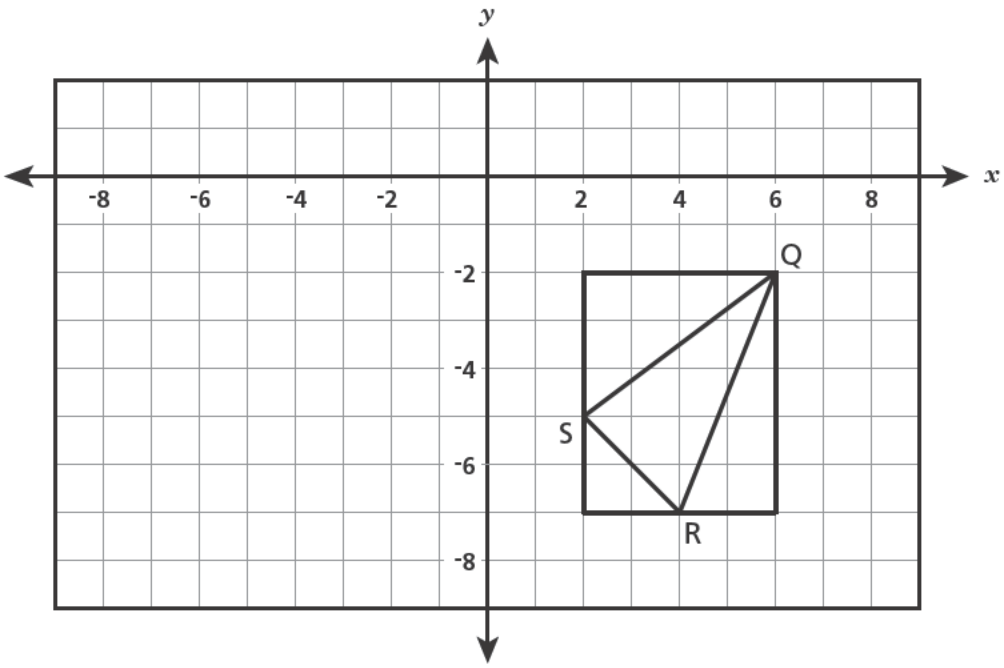
A 156

B 110

C 94

D 48

9 Triyang QRS, ak somè Q(6, –2), R(4, –7), ak S(2, –5), trase anndan yon rektang, jan nou montre li anba la a.



Konbyen inite kare sifas QRS ap ye?

A 7

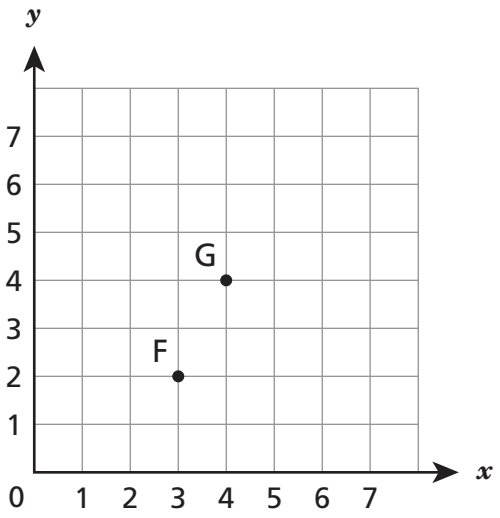
B 10

C 13

D 18

KONTINYE

10 Yo te trase pwen F ak G sou graf ki pi ba a.



Pwen G ak pwen H gen menm distans ak pwen F. Ki kote pwen H ye sou graf la?

A (1, 2)

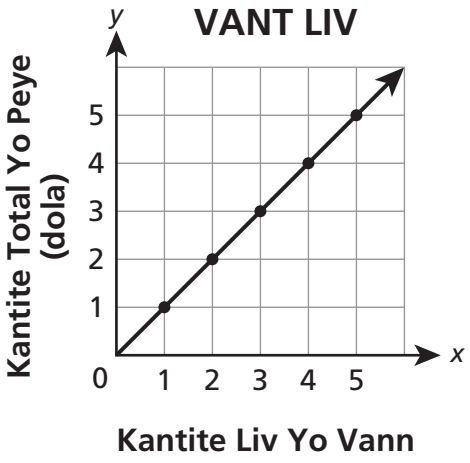
B (4, 2)

C (5, 1)

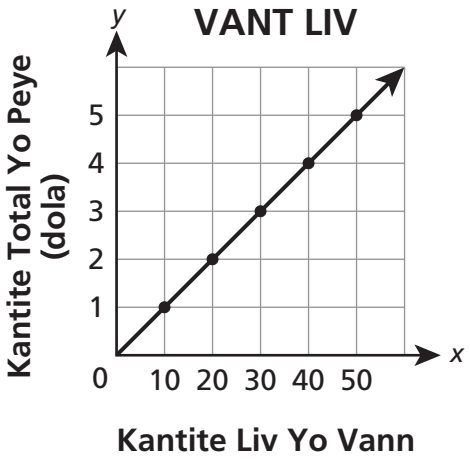
D (2, 5)

13 Yon libreri vann liv $10 chak. Ki graf ki montre relasyon ant kantite liv, *x,* libreri a te vann ak kantite total lajan, *y*, yo te fè ak liv yo vann yo?

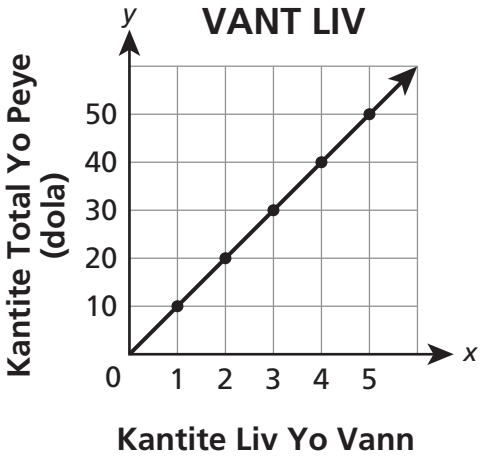
A



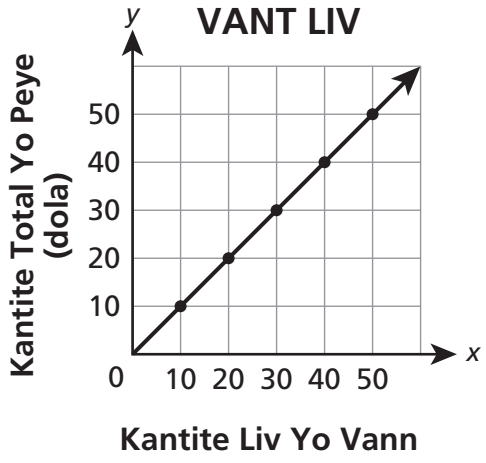
C



B



D



14 Rasyo elèv pou granmoun nan yon joune se 8 pou 1. Ki tablo ki montre rasyo pou chak klas kòrèkteman?

A

Ane	Kantite Elèv	Kantite Granmoun
6	96	88
7	120	112
8	136	128

C

Ane	Kantite Elèv	Kantite Granmoun
6	96	12
7	120	15
8	136	17

B

Ane	Kantite Elèv	Kantite Granmoun
6	96	104
7	120	128
8	136	144

D

Ane	Kantite Elèv	Kantite Granmoun
6	96	11
7	120	13
8	136	15

15 Ki fraz ki se yon deskripsyon $2m + 7$?

A 7 plis pase 2 fwa m

B 2 plis pase 7 fwa m

C 2 fwa sòm 7 ak m

D 7 fwa sòm 2 ak m

KONTINYE

16 George gen $23 pou depanse nan pwodwi atistik. Li vle achte makè, papye, ak lakòl. Si pri total makè ak papye yo plis pase $14, ki inegalite ki reprezante kantite dola *p*, George kapab depanse nan lakòl?

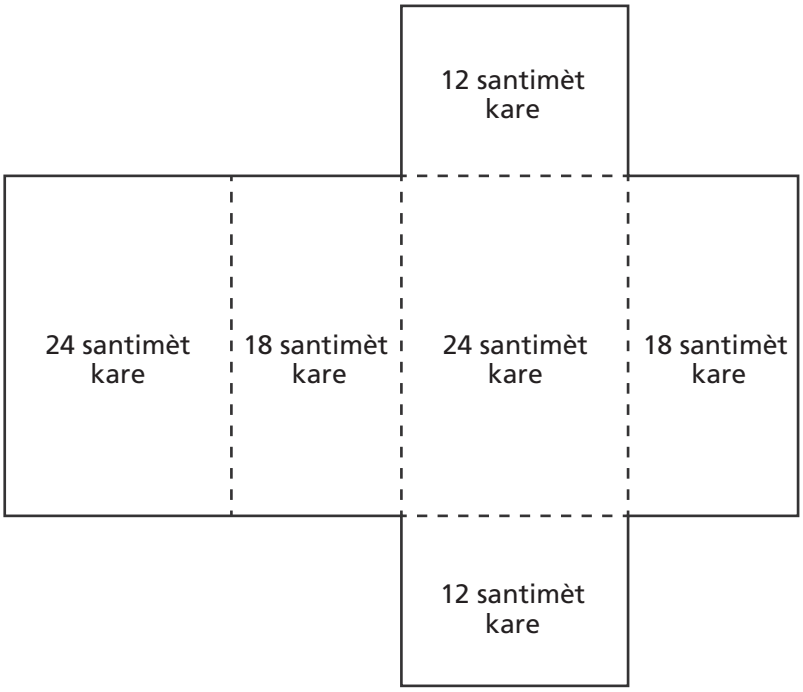
A $p < 9$

B $p > 9$

C $p < 37$

D $p > 37$

17 Nou montre filè yon pris rektangilè anba la a. Nou make sipèfisi chak fas.



Ki valè ki reprezante dimansyon pris rektangilè a an santimèt?

A 12, 18, 24

B 3, 4, 8

C 3, 4, 6

D 2, 9, 12

KONTINYE

18 Yon vandè te vann pou $240.000 ane pase, ki se 60% vant li pou ane sa a. Ki ekwasyon nou te kapab itilize pou detèmine x, kantite total vant vandè a an dola pou ane sa a?

A $\frac{240.000}{x} = \frac{60}{100}$

B $\frac{240.000}{100} = \frac{x}{60}$

C $\frac{60}{240.000} = \frac{x}{100}$

D $\frac{60}{100} = \frac{x}{240.000}$

19 Yon elèv kreye yon modèl kote yon sòm reprezante chak tèm. Nou mete premye kat tèm modèl la anba la a.

n	Sòm
1	1
2	$1 + 3$
3	$1 + 3 + 5$
4	$1 + 3 + 5 + 7$

Ki ekspresyon nou kapab itilize pou detèmine valè sòm nan nenpòt tèm, n?

A n^2

B $4n$

C $n + 3$

D 2^n

KONTINYE

20 Jason pral itilize yon krich $\frac{1}{3}$ galon pou ranpli yon po dlo vid ki mezire $\frac{3}{4}$ galon. Konbyen dlo l ap bezwen pou li ranpli po a nèt?

A ant 1 ak 2 krich plen

B ant 2 ak 3 krich plen

C apeprè $\frac{1}{2}$ krich plen

D apeprè $\frac{1}{4}$ krich plen

23 Ki ekspresyon ki ekivalan ak $5(6x + 3y)$?

A $11x + 3y$

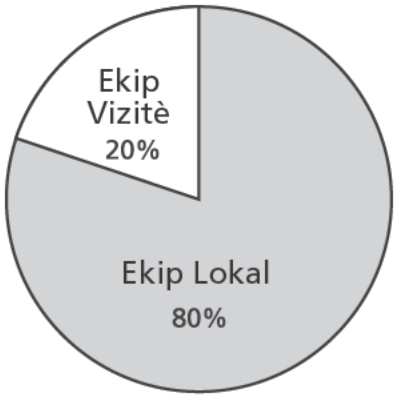
B $11x + 8y$

C $30x + 3y$

D $30x + 15y$

24 Dyagram ki anba la a montre pousantaj moun ki te nan yon match foutbòl kite fanatik swa ekip lokal la oswa ekip vizitè a.

FANATIK NAN MATCH FOUTBÒL LA



Si kantite total moun ki te ale nan match la te 64.000 moun, konbyen nan yo ki te fanatik ekip lokal la?

A 12.800

B 38.400

C 48.000

D 51.200

25 Ki pè ekspresyon ki ekivalan ak nenpòt valè varyab ki plis pase zewo?

A $3(x + 2)$ ak $3x + 2$

B $4d + 2e$ ak $8d + e$

C $f + f + f + g$ ak $3fg$

D $b + b + 3c$ ak $2b + 3c$

26 Kisa ki pi gran faktè komen 42 ak 84?

A 7

B 21

C 42

D 84

Ane 6

2017 Common Core
Egzamen Matematik
Liv 1

2–4 Me 2017

Grade 6

2017 Common Core
Mathematics Test
Book 1

May 2–4, 2017

Non: _____

Haitian Creole Edition

Grade 6 Common Core
Mathematics Test
Book 2
May 2–4, 2017

Pwogram Egzamen Eta Nouyòk Egzamen Matematik Liv 2

Ane 6

2–4 Me 2017

Released Questions

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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	$A = \frac{1}{2}bh$
Prism Rektangilè Dwa	$V = Bh$ oswa $V = lwh$

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 chwazi 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.

27 Kira te etidye done yo te kolekte sou ekip baskèt lekòl la pou yon sezon. Li te remake yon jwè nan ekip la te reyisi 13 lanse fran sou yon total 20 lanse fran yo te eseye. Pou jwenn pousantaj lanse fran jwè sa a te eseye ki te bon, Kira te kreye rasyo ekivalan ki anba la a.

$$\frac{13}{20} = \frac{m}{n}$$

Kisa ki valè m ak n nan ekwasyon Kira a?

A $m = 65$, $n = 1$

B $m = 100$, $n = 65$

C $m = 93$, $n = 100$

D $m = 65$, $n = 100$

28 Ki pi piti miltip komen 4 ak 10?

A 14

B 20

C 40

D 60

KONTINYE

29 Ou kapab jwenn sipèfisi, *S*, pou yon pris rektangilè ak longè *l*, lajè *w*, ak wotè *h* ak fòmil ki anba la a.

$$S = 2(lw + wh + hl)$$

Konbyen sipèfisi yon pris ak yon longè 12 pous, yon lajè 9 pous, ak yon wotè 2 pous ye, an pous kare?

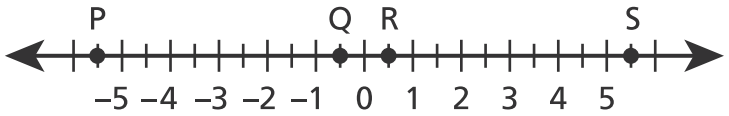
A 300

B 258

C 150

D 92

30 Ki pwen sou dwat nimerik ki anba la a ki reprezante nimewo ki opoze ak nimewo $-5\frac{1}{2}$?



A pwen P

B pwen Q

C pwen R

D pwen S

34 An 2010, Kim-Ly te touche $17,50 pou 2 èdtan travay. Ki tablo ki montre relasyon ant kantite èdtan Kim-Ly te travay ak kantite total li te touche, si kantite li touche pa èdtan konstan?

A

Kantite Èdtan	Kantite yo Touche
1	$17,50
2	$35,00
3	$52,50
4	$70,00

C

Kantite Èdtan	Kantite yo Touche
1	$16,50
2	$17,50
3	$18,50
4	$19,50

B

Kantite Èdtan	Kantite yo Touche
1	$17,50
2	$17,50
3	$17,50
4	$17,50

D

Kantite Èdtan	Kantite yo Touche
1	$8,75
2	$17,50
3	$26,25
4	$35,00

35 Susan li yon liv ak yon vitès 1 paj chak 3 minit. Si vitès l ap li a rete menm nan, ki metòd li te kapab itilize pou detèmine kantite minit l ap kapab li 18 paj?

A ajoute 18 sou 3

B divize 18 pa 3

C miltipliye 3 pa 18

D retire 3 nan 18

36 Yon triyang gen somè sou yon kadriyaj kowòdone sou pwen J(-1, 5), K(4, 5), ak L(4, -2). Kisa ki longè, an inite, $\overline{KL}$?

A 3

B 7

C 8

D 11

37 Rosa gen objektif pou li kouri yon total 100 mil mwa sa a. Chak jou li kouri, li kouri 5 mil. Ki ekspresyon Rosa te kapab itilize pou detèmine konbyen mil li rete pou kouri apre d jou?

A $100 - 5d$

B $5d + 100$

C $\frac{100}{5d}$

D $5d$

KONTINYE

38 Inegalite ki anba la a konpare de nonm rasyonèl.

$$-\frac{8}{18} > -\frac{17}{27}$$

Si yo te trase de nonm yo kòm valè sou yon dwat nimerik orizontal, ki deklarasyon ki t ap vrè?

A Toude nonm yo t ap chita sou bò dwat 0, epi $-\frac{8}{18}$ chita sou bò goch $-\frac{17}{27}$.

B Toude nonm yo t ap chita sou bò goch 0, epi $-\frac{8}{18}$ chita sou bò goch $-\frac{17}{27}$.

C Toude nonm yo t ap chita sou bò dwat 0, epi $-\frac{8}{18}$ chita sou bò dwat $-\frac{17}{27}$.

D Toude nonm yo t ap chita sou bò goch 0, epi $-\frac{8}{18}$ chita sou bò dwat $-\frac{17}{27}$.

39 Ki valè pou varyab c nan ansanm ki anba la a ki pral fè $5.6 + 0.4c \leq 6c$ vrè?

{0, 0,875, 1, 2,5}

A sèlman 2,5

B 1 ak 2,5

C 0,875, 1, ak 2,5

D tout valè yo ki nan gwoup la

40 Steve te kòmande bwat plastik pou mete kat bezbòl li yo. Chak bwat mezire 12 santimèt an longè, 6.5 santimèt an lajè, ak 1.25 santimèt an wotè. Konbyen volim youn nan bwat kat bezbòl la ye an santimèt kib?

A 39,5

B 97,5

C 118,5

D 202,25

41 Kim te monte bekàn li 135 mil nan 9 semèn, epi li te monte menm distans la chak semèn. Eric te monte bekàn li 102 mil nan 6 semèn, epi li te monte menm distans la chak semèn. Ki deklarasyon ki konpare kòrèkteman kantite mil yo te monte bekàn pa semèn?

A Eric te monte bekàn 2 mil plis pase Kim chak semèn.

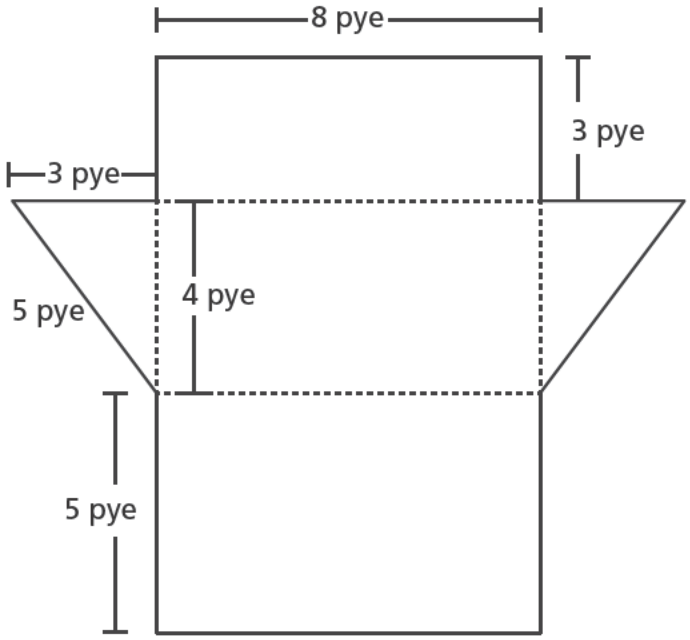
B Kim te monte bekàn 3 mil plis pase Eric chak semèn.

C Kim te monte bekàn 11 mil plis pase Eric chak semèn.

D Eric te monte bekàn 17 mil plis pase Kim chak semèn.

KONTINYE

42 Nou montre filè yon pris triyangilè anba la a.



Konbyen pye kare sipèfisi pris triyangilè a ye?

A 44

B 96

C 108

D 120

43 De ekspresyon yo ki anba la a ekivalan.

$y(2.5 + 7) + y - 2$

$10.5y - 2$

Ki ekspresyon ki eksplike **pi byen** pase tout lòt yo poukisa ekspresyon yo ekivalan?

A Ekspresyon yo gen menm valè pou nenpòt valè *y*.

B Ekspresyon yo gen menm valè sèlman lè *y* se yon nonm antye.

C Ekspresyon yo gen menm valè sèlman lè *y* se yon nonm enpè.

D Ekspresyon yo gen menm valè sèlman lè *y* se yon nonm pè.

44 De nonm antye gen omwen yon miltip komen 60.

- Chak nonm mwens pase oswa egal a 12.
- Pi gran faktè komen de nonm yo se 2.

Kisa ki de nonm yo?

A 6 ak 10

B 5 ak 12

C 10 ak 12

D 12 ak 15

KONTINYE

45 Ki kantite ou te kapab mete nan espas vid la pou fè ekwasyon ki anba la a vrè?

$$x + 2x + \_\_\_\_ = 5x$$

A 2

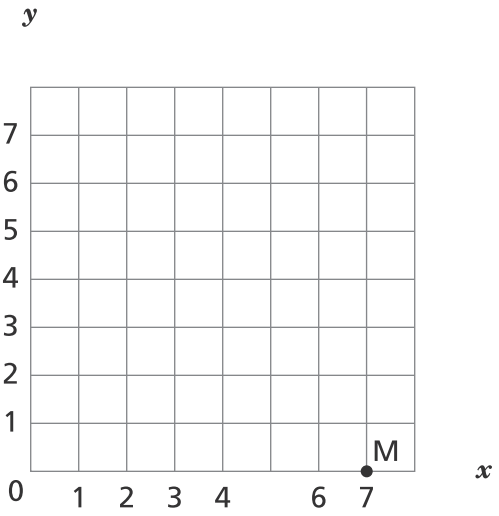
B 3

C $2x$

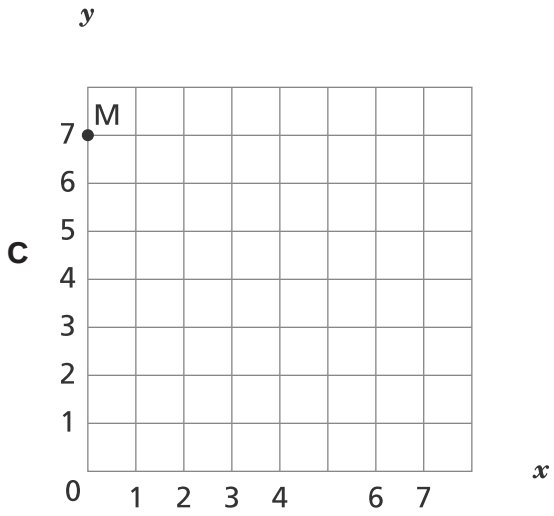
D $3x$

46 Ki kadriyaj kowòdone ki montre pwen M make nan (4, 3)?

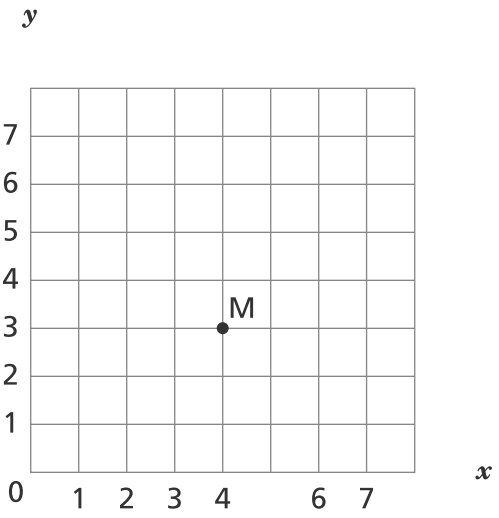
A



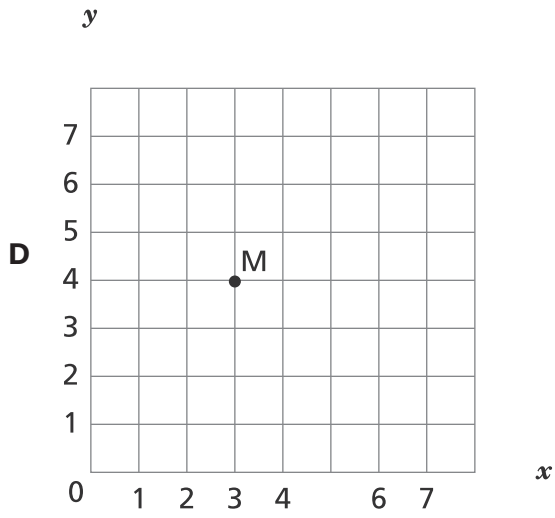
C



B

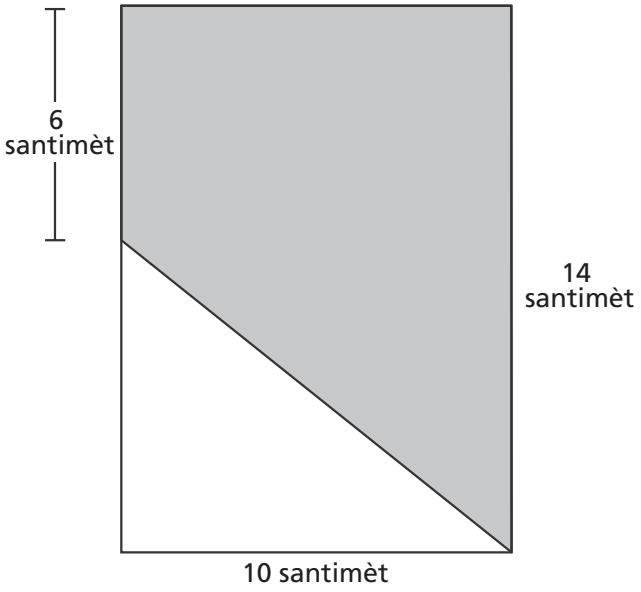


D



KONTINYE

50 Ki sifas pati ki kolore an gri nan rektang ki anba la a, an santimèt kare?



A 20

B 60

C 100

D 140

51 Yon boutik vann chak sandwich pou $5,95, ak taks ladan. Boutik la te fè yon total $71,40 nan sandwich yo te vann yon aprèmidi. Ki ekwasyon nou kapab itilize pou kalkile kantite sandwich, *x*, yo te vann nan boutik la aprèmidi sa a?

A $5{,}95 + x = 71{,}40$

B $5{,}95 \div 71{,}40 = x$

C $5{,}95x = 71{,}40$

D $5{,}95 \div x = 71{,}40$

Ane 6

2017 Common Core
Egzamen Matematik
Liv 2

2–4 Me 2017

Grade 6

2017 Common Core
Mathematics Test
Book 2

May 2–4, 2017

Non: _____

Haitian Creole Edition

Grade 6 Common Core
Mathematics Test
Book 3
May 2–4, 2017

Pwogram Egzamen Eta Nouyòk Egzamen Matematik Liv 3

Ane 6

2–4 Me 2017

Released Questions

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Ane 6 Fèy Referans Matematik

KONVÈSYON

1 pous = 2,54 santimèt
1 mèt = 39,37 pous
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	$A = \frac{1}{2}bh$
Prism Rektangilè Dwa	$V = Bh$ oswa $V = lwh$

Liv 3

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 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 bliye montre kijan w rive jwenn repons yo lè yo mande ou sa.

52 Dane ak Monique travay nan fè twalèt chen. Dana travay 10 èdtan pa jou epi Monique travay 8 èdtan pa jou. Dana ak Monique travay 40 èdtan pa semèn yo chak.

Lendi, Dana te fè twalèt 15 chen nan 10 èdtan epi Monique te fè twalèt 10 chen nan 8 èdtan. Yo chak te touche $12,75 pou chak chen yo te fè twalèt yo. An nou sipoze pou rès semèn nan Dana ak Monique te fè twalèt menm kantite chen pa jou travay jan yo te fè lendi, kisa k ap diferans ant sa yo chak touche pou semèn nan?

Montre kijan ou fè pou jwenn repons la.

Repons $_____

KONTINYE

53 Nou itilize fòmil ki anba la a pou konvèti yon tanperati ki an degre Sèlsiyis, *C*, a yon tanperati ki an degre Farennay, *F*.

$$F = 1{,}8C + 32$$

Tanperati wo nan yon vil montay te 15°C. Konbyen tanperati wo a te ye an degre Farennay?

Montre kijan ou fè pou jwenn repons lan.

Repons _____ °F

54 Yon koutiryèz bezwen koupe plizyè moso riban 15 pous sou yon woulo riban ki gen yon longè 9 pye. Ki pi gran kantite moso riban 15 pous koutiryèz la kapab koupe sou 5 woulo riban sa yo?

Montre kijan ou fè pou jwenn repons la.

Repons _____ moso

KONTINYE

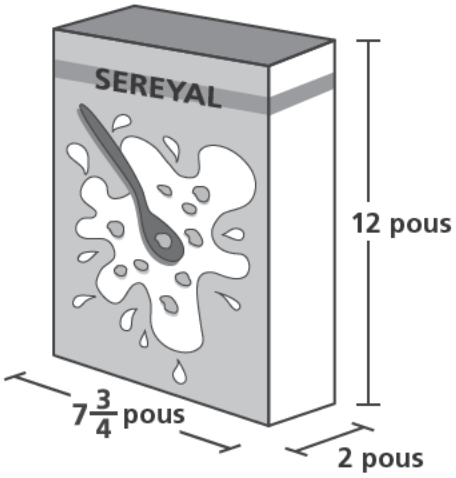
55 Yo rekòmande pou gen yon aparèy pou tiye difè disponib pou chak 6.000 pye kare nan yon bilding. Ekri epi rezoud yon ekwasyon pou detèmine *x*, kantite aparèy pou tiye difè y ap bezwen pou yon bilding ki gen 135.000 pye kare.

Montre kijan ou fè pou jwenn repons la.

Repons _____ aparèy pou tiye difè

56 Yon konpayi vann sereyal nan bwat de diferan gwosè. Pi piti bwat la gen dimansyon yo ki anba la a.

Bwat Sereyal Pi Piti



Wotè pi piti bwat la se 80% wotè pi gwo bwat la, pandan lòt de dimansyon yo se menm pou toude bwat yo. Ki diferans ki genyen nan volim de bwat yo?

Montre kijan ou fè pou jwenn repons la.

Repons _____ pous kib

KONTINYE

57 Pou jwenn sifas jaden rektangilè Brian nan an pye kare, ou kapab itilze ekspresyon $6(2x + 5y)$. Itilize pwopriyete distribitivite a pou ekri yon ekspresyon ekivalan pou sifas jaden Brian nan.

Ekspresyon ekivalan _____

Itilize ekspresyon ekivalan ou a pou jwenn sifas jaden Brian nan, an pye kare, si $x = 3$ ak $y = 4$.

Montre kijan ou fè pou jwenn repons la.

Sifas _____ pye kare

58 Yon otèl gen yon kantite sal reyinyon, *m*, disponib pou evènman. Chak sal reyinyon gen 325 chèz. Ekri yon ekspresyon pou reprezante *c*, kantite total chèz, nan tout sal rankont nan otèl la.

Ekwasyon _____

Si $m = 7$, itilize ekwasyon ou a pou jwenn kantite total chèz ki nan tout sal reyinyon nan yon otèl.

Montre kijan ou fè pou jwenn repons la.

Repons _____ chèz

KONTINYE

59 Jimmy ak fanmi li nan wout pou yo al vizite kèk zanmi fanmi an k ap viv yon distans 780 mil ak yo. Selon chemen yo chwazi a, vwayaj yo a ta sipoze fini nan twa jou. Nou montre distans ak mwayèn vitès pou premye de jou yo te kondwi yo anba la a.

- Premye jou: 4 èdtan ak yon vitès mwayèn 60 mil pa èdtan
- Dezyèm jou: 6 èdtan ak yon vitès mwayèn 65 mil pa èdtan

Si mwayèn vitès nan twazyèm jou a se 60 mil pa èdtan, konbyen èdtan an plis y ap pran pou rive kay zanmi fanmi an?

Montre kijan ou fè pou jwenn repons la.

Repons _____ èdtan

60 Yon pris rektangilè dwat gen yon longè $2\frac{1}{2}$ pye, yon lagè 3 pye, ak yon wotè $1\frac{1}{2}$ pye. Yo ajoute kib inite ak longè kote ki $\frac{1}{2}$ pye pou ranpli pris la nèt san pa gen plas vid ki rete. Konbyen volim pris rektangilè dwat la ye an pye kib?

Montre kijan ou fè pou jwenn repons la.

Repons _____ pye kib

Konbyen $\frac{1}{2}$-pye inite kib ou kapab ajoute pou ranpli pris la nèt? Itilize sa ou konnen sou inite kib ak longè kote pris yo pou montre travay ou ak eksplike repons ou.

Repons _____ kib inite

KONTINYE

61 Tablo ki anba la a montre elevasyon nan diferan ansyen objè yo te dekouvri pandan yon rechèch akeyolojik.

Ansyen Objè	Elevasyon
tèt flèch	15 pye anlè nivo lanmè a
zo	721 pye anlè nivo lanmè a
krich	nivo lanmè a
kolye	462 pye anlè nivo lanmè a
pànye trese	1.200 pye anba nivo lanmè a

Ekri non chak nan ansyen objè yo ak elevasyon yo te jwenn ansyen objè yo ak yon nonm pozitif, zewo, oswa yon nonm negatif.

Eksplike kijan ou te fè pou detèmine yon elevasyon ki bezwen yon nonm pozitif, zewo, oswa yon nonm negatif.

Ane 6

2017 Common Core
Egzamen Matematik
Liv 3

2–4 Me 2017

Grade 6

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 6

Question	Type	Key	Points	Standard	Cluster	Secondary Standard(s)	Multiple Choice Questions: Percentage of Students Who Answered Correctly (P-Value)	Constructed Response Questions: Average Points Earned	Constructed Response Questions: P-Value (Average Points Earned ÷ Total Possible Points)
Book 1									
1	Multiple Choice	B	1	CCSS.Math.Content.6.RP.A.3a	Ratios and Proportional Relationships		0.56		
2	Multiple Choice	D	1	CCSS.Math.Content.6.EE.B.5	Expressions and Equations		0.57		
3	Multiple Choice	A	1	CCSS.Math.Content.6.NS.A.1	The Number System		0.35		
4	Multiple Choice	C	1	CCSS.Math.Content.6.EE.A.1	Expressions and Equations		0.69		
9	Multiple Choice	A	1	CCSS.Math.Content.6.G.A.1	Geometry		0.24		
10	Multiple Choice	C	1	CCSS.Math.Content.5.G.A.2	The Number System		0.38		
13	Multiple Choice	B	1	CCSS.Math.Content.6.EE.C.9	Expressions and Equations		0.73		
14	Multiple Choice	C	1	CCSS.Math.Content.6.RP.A.3a	Ratios and Proportional Relationships		0.65		
15	Multiple Choice	A	1	CCSS.Math.Content.6.EE.A.2a	Expressions and Equations		0.65		
16	Multiple Choice	A	1	CCSS.Math.Content.6.EE.B.8	Expressions and Equations		0.46		
17	Multiple Choice	C	1	CCSS.Math.Content.6.G.A.4	Geometry		0.22		
18	Multiple Choice	A	1	CCSS.Math.Content.6.RP.A.3c	Ratios and Proportional Relationships		0.53		
19	Multiple Choice	A	1	CCSS.Math.Content.6.EE.B.6	Expressions and Equations		0.42		
20	Multiple Choice	B	1	CCSS.Math.Content.6.NS.A.1	The Number System		0.42		
23	Multiple Choice	D	1	CCSS.Math.Content.6.EE.A.3	Expressions and Equations		0.64		
24	Multiple Choice	D	1	CCSS.Math.Content.6.RP.A.3c	Ratios and Proportional Relationships		0.49		
25	Multiple Choice	D	1	CCSS.Math.Content.6.EE.A.4	Expressions and Equations		0.41		
26	Multiple Choice	C	1	CCSS.Math.Content.6.NS.B.4	The Number System		0.52		
Book 2									
27	Multiple Choice	D	1	CCSS.Math.Content.6.RP.A.3c	Ratios and Proportional Relationships		0.78		

Released Questions on EngageNY

Grade 6

Question	Type	Key	Points	Standard	Cluster	Secondary Standard(s)	Multiple Choice Questions: Percentage of Students Who Answered Correctly (P-Value)	Constructed Response Questions: Average Points Earned	Constructed Response Questions: P-Value (Average Points Earned ÷ Total Possible Points)
28	Multiple Choice	B	1	CCSS.Math.Content.6.NS.B.4	The Number System		0.83		
29	Multiple Choice	A	1	CCSS.Math.Content.6.EE.A.2c	Expressions and Equations		0.53		
30	Multiple Choice	D	1	CCSS.Math.Content.6.NS.C.6a	The Number System		0.76		
34	Multiple Choice	D	1	CCSS.Math.Content.6.EE.C.9	Expressions and Equations		0.70		
35	Multiple Choice	C	1	CCSS.Math.Content.6.RP.A.3	Ratios and Proportional Relationships		0.68		
36	Multiple Choice	B	1	CCSS.Math.Content.6.G.A.3	Geometry		0.54		
37	Multiple Choice	A	1	CCSS.Math.Content.6.EE.B.6	Expressions and Equations		0.49		
38	Multiple Choice	D	1	CCSS.Math.Content.6.NS.C.7a	The Number System		0.54		
39	Multiple Choice	B	1	CCSS.Math.Content.6.EE.B.5	Expressions and Equations		0.38		
40	Multiple Choice	B	1	CCSS.Math.Content.6.G.A.2	Geometry		0.82		
41	Multiple Choice	A	1	CCSS.Math.Content.6.RP.A.2	Ratios and Proportional Relationships		0.59		
42	Multiple Choice	C	1	CCSS.Math.Content.6.G.A.4	Geometry		0.45		
43	Multiple Choice	A	1	CCSS.Math.Content.6.EE.A.4	Expressions and Equations		0.50		
44	Multiple Choice	C	1	CCSS.Math.Content.6.NS.B.4	The Number System		0.45		
45	Multiple Choice	C	1	CCSS.Math.Content.6.EE.A.3	Expressions and Equations		0.41		
46	Multiple Choice	B	1	CCSS.Math.Content.5.G.A.1	The Number System		0.85		
50	Multiple Choice	C	1	CCSS.Math.Content.6.G.A.1	Geometry		0.35		
51	Multiple Choice	C	1	CCSS.Math.Content.6.EE.B.7	Expressions and Equations		0.49		
Book 3									
52	Constructed Response		2	CCSS.Math.Content.6.RP.A.3b	Ratios and Proportional Relationships			0.76	0.38
53	Constructed Response		2	CCSS.Math.Content.6.EE.A.2c	Expressions and Equations			0.82	0.41
54	Constructed Response		2	CCSS.Math.Content.6.RP.A.3d	Ratios and Proportional Relationships			0.42	0.21

Released Questions on EngageNY

Grade 6

Question	Type	Key	Points	Standard	Cluster	Secondary Standard(s)	Multiple Choice Questions: Percentage of Students Who Answered Correctly (P-Value)	Constructed Response Questions: Average Points Earned	Constructed Response Questions: P-Value (Average Points Earned ÷ Total Possible Points)
55	Constructed Response		2	CCSS.Math.Content.6.EE.B.7	Expressions and Equations			1.13	0.56
56	Constructed Response		2	CCSS.Math.Content.6.RP.A.3c	Ratios and Proportional Relationships			0.70	0.35
57	Constructed Response		2	CCSS.Math.Content.6.EE.A.3	Expressions and Equations	CCSS.Math.Content.6.EE.A.2c		1.07	0.54
58	Constructed Response		3	CCSS.Math.Content.6.EE.B.7	Expressions and Equations			2.07	0.69
59	Constructed Response		3	CCSS.Math.Content.6.RP.A.3b	Ratios and Proportional Relationships			1.16	0.39
60	Constructed Response		3	CCSS.Math.Content.6.G.A.2	Geometry			0.76	0.25
61	Constructed Response		3	CCSS.Math.Content.6.NS.C.5	The Number System			1.96	0.65

*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.