



Our Students. Their Moment.

**New York State Testing Program
Grade 7 Common Core
Mathematics Test
(Haitian Creole)**

Released Questions

June 2018

New York State administered the Mathematics Tests in May 2018 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 2018 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 2018 NYS Grades 3-8 English Language Arts and Mathematics test materials for review, discussion, and use.

For 2018, included in these released materials are at least 75 percent of the test questions that appeared on the 2018 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 2018
Mathematics Test
Session 1
May 1–3, 2018

Pwogram Egzamen Eta Nouyòk Egzamen Matematik Seyans 1

Ane **7**

1–3 Me 2018

Released Questions

Ane 7 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

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

Paralelogram

$$A = bh$$

Sèk

$$A = \pi r^2$$

Sèk

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

Prism Jeneral

$$V = Bh$$

Seyans 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 fè chwa ou.
- Yo ba w enstriman jeometri (yon règ, yon rapòtè ak yon kalkilatri) 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 Ki desimal ki ekivalan ak fraksyon $\frac{8}{15}$?

- A** 0,53
- B** $0,5\bar{3}$
- C** $0,\bar{53}$
- D** 0,533

2 Sikonferans yon sèk se 15π santimèt. Kisa ki sifas sèk la parapò ak π ?

- A** $7,5\pi \text{ cm}^2$
- B** $15\pi \text{ cm}^2$
- C** $56,25\pi \text{ cm}^2$
- D** $225\pi \text{ cm}^2$

3 Bob achte ze ak pòm detè nan yon boutik.

- Li peye yon total \$25,92.
- Li peye \$2,57 pou ze yo.
- Li achte 5 sak pòm detè epi chak koute menm pri a.

Ki ekwasyon nou te ka itilize pou detèmine pri, x , chak sak pòm detè?

- A** $x = (25,92 - 2,57) \div 5$
- B** $x = 25,92 \div 5 + 2,57$
- C** $x = (25,92 + 2,57) \div 5$
- D** $x = 25,92 \div 5 - 2,57$

KONTINYE

6

Yo divize yon jiwèt an kat seksyon kolore gwosè yo pa egal: wouj, ble, mov, ak jòn abriko. Flèch nan jiwèt la vire plizyè fwa.

REZILTA JIWÈT LA

Koulè	Kantite fwa
Wouj	15
Ble	24
Mov	12
Jòn Abriko	9

Flèch nan jiwèt la pral vire yon lòt fwa. Selon rezilta sa yo, kisa ki pwobabilite flèch la pral tonbe sou seksyon mov la.

- A $\frac{1}{4}$
- B $\frac{1}{5}$
- C $\frac{1}{6}$
- D $\frac{1}{12}$

KONTINYE

7

Tablo ki anba la a montre tanperati ki pi ba, an degre Farenay, nan chak 5 jou pou yon vil.

**TANPERATI KOTIDYEN
KI PI BA**

Jou	Tanperati (°F)
Lendi	-36°
Madi	-25°
Mèkredi	12°
Jedi	-3°
Vandredi	18°

Kisa ki mwayèn ki pi ba a, an degre Farenay, nan vil la pou 5 jou sa yo?

- A** -18,8°
- B** -6,8°
- C** 6,8°
- D** 18,8°

KONTINYE

10

Ki ekspresyon ki ekivalan ak $(-18) - 64n$?

- A $-2(9 - 32n)$
- B $2(9 - 32n)$
- C $-2(9 + 32n)$
- D $2(9 + 32n)$

11

Verda itilize yon kaptè pou mezire vitès machin k ap deplase diferan tan. Nan chak fwa, kaptè a mezire vitès machin nan an mil pa èdtan anvanm ak kilomèt pa èdtan. Tablo ki anba la a montre rezilta li yo.

VITÈS KI ANREJISTRE

Vitès (mil pa lè)	Vitès (kilomèt pa lè)
11,0	17,699
26,0	41,834
34,0	54,706

Selon rezilta li yo, ki deklarasyon ki dekri relasyon ant m , vitès machin nan an mil pa èdtan, ak k , vitès machin nan an kilomèt pa èdtan?

- A Relasyon an pwopòsyonèl paske rapò m ak k konstan.
- B Relasyon an pa pwopòsyonèl paske rapò m ak k konstan.
- C Relasyon an pwopòsyonèl paske diferans ant m ak k konstan.
- D Relasyon an pa pwopòsyonèl paske diferans ant m ak k konstan.

KONTINYE

16

Bonnie mete \$70,00 nan yon nouvo kont depay.

- Kont la resevwa 4,5% enterè senp pa ane.
- Li pa ni ajoute, ni retire lajan nan kont la pou 3 zan.

Kisa ki kantite total lajan ki nan kont depay li a nan fen 3 zan yo?

- A** \$9,45
- B** \$79,45
- C** \$94,50
- D** \$164,50

17

Ki sitiyasyon rezilta a t ap yon valè zewo final?

- A** Tanperati a apre yon bès 5°F nan yon tanperati –5°F.
- B** Wotè yon avyon apre li dekole soti atè epi monte 1.000 pye.
- C** Kantite lajan li resevwa pou monnen apre li fè yon acha \$10 ak yon biyè \$20 dola.
- D** Distans anwo nivo lanmè a apre li ogmante 24 mètr nan yon pwofondè de 24 mètr anba lanmè a.

KONTINYE

22

Twa klas nan yon lekòl segondè te kolekte lajan pou achte nouvo òdinatè.

- Klas Madmwazèl Moore la te kolekte \$249,00.
- Klas Madmwazèl Aguilar la kolekte \$396,62 an plis pase klas Madmwazèl Moore la.
- Klas Mèt Barry a te kolekte \$430,43 mwens pase klas Madmwazèl Aguilar a.

Kisa ki kantite total lajan tout twa klas yo te kolekte?

- A** \$215,19
- B** \$464,19
- C** \$1.076,05
- D** \$1.109,81

23

Yon fèm te pouse 19,8 tòn ble an 2013. Pwodiksyon ble fèm nan te ogmante pa 9,8% de 2013 a 2014 epi pa 5,1% de 2014 a 2015. Ki ekspresyon ki reprezante yon estrateji pou estime pwodiksyon total ble, an tòn, an 2015?

- A** $20 + 10 + 5$
- B** $20(10)(5)$
- C** $20 + 1,1 + 1,05$
- D** $20(1,1)(1,05)$

KONTINYE

26

Lea vle sere lajan pou achte yon nouvo òdinatè. Nan magazen ki tou pre li a, òdinatè li vle a gen yon pri regilye ki de \$400,00.

- Nan samdi, magazen an pral mete yon lavant ak rabè 30% sou òdinatè a.
- Moun ki vle achte yon òdinatè menm samdi sa a avan 9:00 a.m. pral resevwa yon lòt 10% sou pri redwi a.

Konbyen Lea pral peye, san taks, lè li achte òdinatè a samdi sa a avan 9:00 a.m.?

- A** \$148,00
- B** \$160,00
- C** \$240,00
- D** \$252,00

27

Ki ekspresyon ki ka ale nan espas vid la pou fè ekwasyon an vrè?

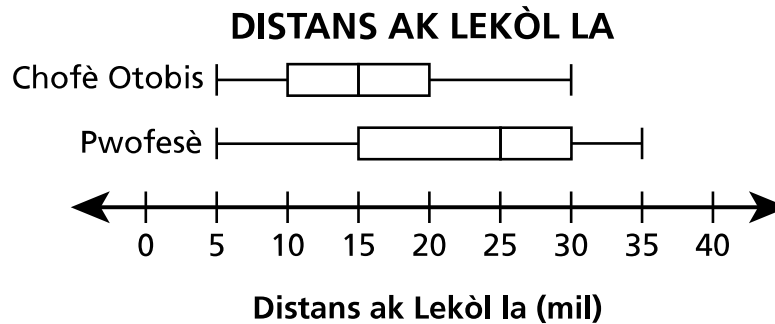
$$-4,5 + 4,4 + \underline{\quad ? \quad} = 0$$

- A** $-6,7 + 6,8$
- B** $-6,7 + (-6,6)$
- C** $7,2 + (-7,2)$
- D** $7,2 + (-7,3)$

KONTINYE

28

Yon direktè lekòl te sanble done sou distans, an mil, pwofesè ak chofè otobis yo viv de lekòl la. Dyagram an bwat yo ki anba la a montre done yo.



Selon dyagram an bwat yo, ki deklarasyon ki vrè?

- A** Entèval entèkatil distans pou chofè otobis yo se de fwa entèval entèkatil distans pou pwofesè yo.
- B** Entèval distans pou pwofesè yo se de fwa entèval distans pou chofè otobis yo.
- C** Entèval entèkatil distans pou chofè otobis yo se 5 mil mwens pase entèval entèkatil distans pou pwofesè yo.
- D** Entèval distans pou pwofesè yo se 5 mil mwens pase entèval distans chofè otobis yo.

29

A minwi, tanperati a te -8°F . A midi, tanperati a te 23°F . Ki ekspresyon ki reprezante ogmantasyon nan tanperati a?

- A** $-8 - 23$
- B** $|-8| - 23$
- C** $-8 - |23|$
- D** $|-8 - 23|$

KONTINYE

Yo te itilize yon jiwèt ki gen sèt seksyon egalego pou jwe yon je.

- Yo te itilize li 250 fwa nan premye je a.
- Nan 250 fwa sa yo, flèch la te tonbe sou seksyon 7 yon total 35 fwa.
- Yo te itilize menm jiwèt la 150 fwa nan dezyèm je a.

Konbyen fwa jiwèt la gen **plis chans** pou li tonbe sou seksyon 7 nan dezyèm je a?

- A** 14
- B** 21
- C** 30
- D** 35

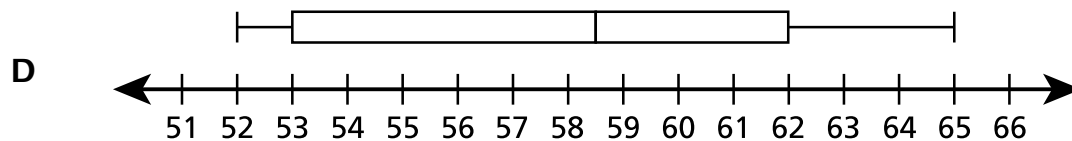
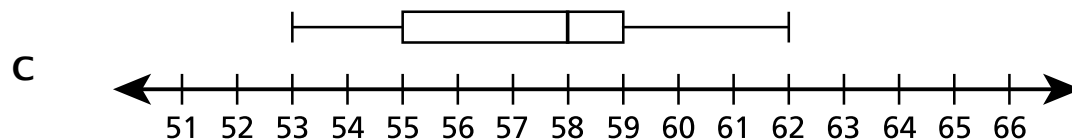
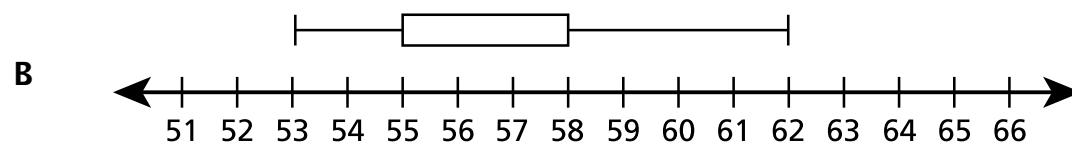
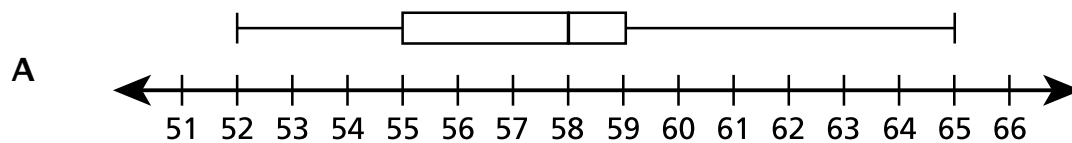
KONTINYE

31

Amanda te fè yon sondaj ak 13 elèv nan klas li a sou wotè yo an pous. Nou mete done li yo anba la a.

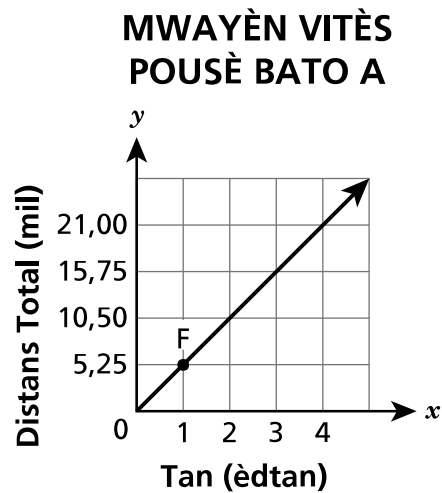
52, 53, 55, 55, 56, 57, 58, 58, 59, 59, 59, 62, 65

Ki dyagram an bwat ki prezante done li yo pi byen?



KONTINYE

Graf ki anba la a montre distans total, an mil, yon pousè bato vwayaje pandan yon tan an èdtan.



Ki deklarasyon ki dekri **pi byen** siyifikasyon kowòdone pwèn F yo sou graf la?

- A** Li montre to inite graf la an èdtan pa mil.
- B** Li montre to inite graf la an mil pa èdtan.
- C** Li montre tan, an èdtan, li pran pou pousè bato a vwayaje 1 mil.
- D** Li montre distans pousè bato a vwayaje, an mil, apre 5,25 èdtan.

KONTINYE

Yon pwogram òdinatè chwazi ble, wouj, oswa vèt kòm koulè fon an chak fwa yo itilize pwogram nan.

- Yo te itilize pwogram nan 45 fwa sou menm òdinatè a nan yon semèn.
- Nan 45 fwa sa yo, yon fon ble te parèt 12 fwa epi yon fon wouj te parèt 21 fwa.

Selon enfòmasyon sa a, ki deklarasyon sou pwobabilite pou fon vèt la parèt pwochèn fwa yo itilize pwogram nan ki vre?

- A** Vèt gen menm pwobabilite ak wouj oswa ble pou li parèt.
- B** Vèt gen menm pwobabilite ak ble pou li parèt, men li gen pi piti pwobabilite pase wouj.
- C** Vèt gen pi piti pwobabilite pase wouj oswa ble pou li parèt.
- D** Vèt gen pi piti pwobabilite pase ble pou li parèt, men li gen menm pwobabilite ak wouj.

Ane 7
2018
Egzamen Matematik
Seyans 1
1 – 3 Me 2018

Grade 7
2018
Mathematics Test
Session 1
May 1 – 3, 2018

Non: _____



Haitian Creole Edition
Grade 7 2018
Mathematics Test
Session 2
May 1–3, 2018

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

Ane 7

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1–3 Me 2018

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Released Questions

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Ane 7 Fèy Referans Matematik

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1 mètr = 39,37 pous

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1 mil = 1.760 yad

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1 galon = 4 ka

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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

$$V = Bh$$

Seyans 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 fè chwa ou oswa ekri repons ou.
- Yo ba w enstriman jeometri (yon règ, yon rapòtè ak yon kalkilatri) 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 fè jwenn repons lan lè yo mande ou sa.

34

Ki nimewo ki reprezante pwobabilite pou yon evènman konsa gen anpil chans pou li rive?

- A 0,12
- B 1,3
- C 0,89
- D 0,09

35

Ki ekspresyon ki ekivalan ak $n + n - 0,18n$?

- A $1,18n$
- B $1,82n$
- C $n - 0,18$
- D $2n - 0,82$

36

Nick ap fè pat pen.

- Resèt la mande $\frac{3}{4}$ tas farin ak $1\frac{1}{8}$ ti kiyè sèl.
- Nick vle fè resèt la ak 1 tas farin.

Pou kenbe menm rapò a, ki kantite sèl li bezwen lè li itilize 1 tas farin?

- A $\frac{27}{32}$ ti kiyè
- B $\frac{2}{3}$ ti kiyè
- C $1\frac{1}{2}$ ti kiyè
- D $1\frac{7}{8}$ ti kiyè

KONTINYE

37 Ki ekspresyon ki ekivalan ak $-\frac{1}{3}(6x + 15) - 3$?

- A** $-2x + 12$
- B** $-2x + 2$
- C** $-2x - 2$
- D** $-2x - 8$

38 Josh gen yon kat rekonpans pou yon sinema.

- Li resevwa 15 pwen paske li te enskri pou kat rekonpans lan.
- Li resevwa 3,5 pwen chak fwa li ale nan sinema a.
- Li bezwen omwen 55 pwen pou li genyen yon biyè pou gade yon fim gratis.

Ki inegalite Josh kapab itilize pou detèmine x , kantite minimòm fwa li bezwen ale nan sinema pou l genyen premye biyè li pou l gade yon fim gratis?

- A** $55 \geq 3,5x + 15$
- B** $55 \geq 15x + 3,5$
- C** $55 \leq 3,5x + 15$
- D** $55 \leq 15x + 3,5$

KONTINYE

39

Nan yon magazen, pri regilye yon chapo se x dola. Pandan y ap vann machandiz yo pi bon mache, pri chapo gen yon rabè 20%. Ekspresyon $0,8x$ dekri pri ak rabè a, an dola, pou chapo a. Ki ekspresyon ki dekri pri ak rabè a tou, an dola, pou chapo a?

- A** $0,2x$
- B** $x - 20$
- C** $x - 0,2$
- D** $x - 0,2x$

40

Howard gen yon modèl alechèl Estati Libète a.

- Wotè modèl la se 15 pous.
- Modèl alechèl la parapò ak vrè estati a se 1 pous: 6,2 mè.

Ki ekwasyon Howard te kapab itilize pou detèmine x , wotè a an mè, pou Estati Libète a?

- A** $15x = 6,2$
- B** $6,2x = 15$
- C** $\frac{1}{6,2} = \frac{x}{15}$
- D** $\frac{1}{6,2} = \frac{15}{x}$

KONTINYE

41

Planche rektangilè yon sal klas gen yon longè 36 pye ak yon lajè 32 pye. Yon desen alechèl planche a gen yon longè 9 pous. Kisa sifas la ye, an pous kare, pou planche a nan desen alechèl la?

Montre kijan ou fè pou jwenn repons la.

Repons _____ pous kare

KONTINYE

Mesye Trager gen \$500,00 pou depanse nan yon magazen ki vann bekàn. Tout pri yo ki anba la a gen taks sou yo.

- Li achte yon nouvo bekàn pou \$273,98.
- Li achte 3 reflektè bekàn pou \$7,23 chak ak 1 kask bekàn pou \$42,36.
- Li gen plan itilize rès lajan an pou achte nouvo rad pou monte bekàn pou \$78,12 chak.

Kisa ki **pi gran** kantite rad pou mete bekàn Mesye Trager kapab achte ak rès lajan an?

Montre kijan ou fè pou jwenn repons la.

Repons _____ rad pou monte bekàn

KONTINYE

43

Jim bezwen lwe yon machin. Yon konpayi lokasyon mande \$21,00 pa jou pou lwe yon machin epi \$0,10 pou chak mil moun nan kondwi.

- Li pral vwayaje 250 mil.
- Li gen \$115,00 pou depanse.

Ekri yon inegalite ou kapab itilize pou detèmine d , kantite jou maksimòm Jim ka lwe yon machin.

Inegalite _____

Jim kwè kantite maksimòm jou antye li ka lwe machin nan se 5. Èske li kòrèk? Poukisa?

Eksplike repons ou.

KONTINYE

44

Jennifer gen 84,5 yad twal pou fè rido. Li fè 6 rido ki parèy epi li gen 19,7 yad twal ki rete. Konbyen yad twal Jennifer itilize pou chak rido?

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

Repons _____ yad twal pou chak rido

KONTINYE

Objektif Jen se pou li kouri yon total 22 mil nan senk jou. Tablo ki anba la a montre jounal li pou kantite mil li te kouri nan lendi, madi, mèkredi, ak jedi.

JOUNAL KOUS JEN

Jou	Distans (mil)
Lendi	$4\frac{3}{4}$
Madi	$5\frac{1}{8}$
Mèkredi	0
Jedi	$6\frac{1}{4}$
Vandredi	?

Konbyen mil Jen dwe kouri vandredi pou li reyalize objektif li?

Montre kijan ou fè pou jwenn repons la.

Repons _____ mil

KONTINYE

46

Mario ap enstale yon nouvo tant pandan yon vwayaj kanpeng. Tant la vini ak 7 pye kòd.

Enstriksyon yo di pou sèvi ak 34,5 pous kòd pou mare nan yon prela sou tèt tant la.

Après, li ta dwe koupe rès seksyon kòd la an $8\frac{1}{4}$ seksyon an pous pou mare tant la pou li

fè poto atè a. Mario pral itilize tout kòd la jan yo di nan enstriksyon an. Ekri epi rezoud

yon ekwasyon pou detèmine kantite kòd seksyon $8\frac{1}{4}$ pous Mario ka koupe nan kòd la.

Montre kijan ou fè pou jwenn repons la.

Repons _____

KONTINYE

Tablo ki anba la a montre kantite eskoutè yo te vann nan yon magazen pandan twazan.

ESKOUTÈ YO VANN

Ane	Kantite yo Vann
Ane 1	725
Ane 2	579
Ane 3	696

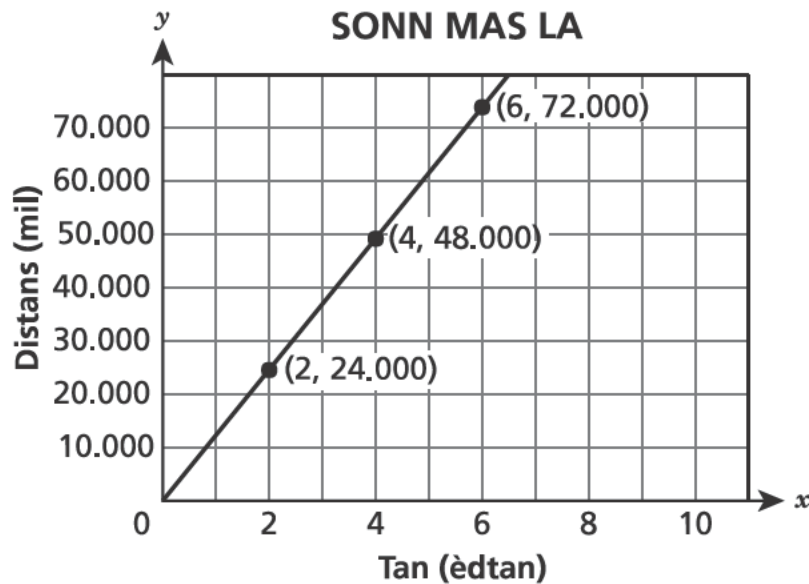
Nan Ane 4, magazen an te vann 112% de kantite total de eskoutè yo te vann pandan yon peryòd twazan avan yo mete ansanm. Detèmine kantite eskoutè yo te vann nan Ane 4.

Montre kijan ou fè pou jwenn repons la.

Repons _____ eskoutè

KONTINYE

Graf la montre relasyon ant x , kantite tan nan èdtan, ak y , distans li vwayaje an mil, ak yon sonn avan li rive Mas.



Èske graf la reprezante yon relasyon pwopòsyonèl? Poukisa?

Jistifye repons ou.

Detèmine kantite mil sonn nan vwayaje nan 5,5 èdtan.

Montre kijan ou fè pou jwenn repons la.

Repons _____ mil

Ane 7
2018
Egzamen Matematik
Seyans 2
1 – 3 Me 2018

Grade 7
2018
Mathematics Test
Session 2
May 1 – 3, 2018

THE STATE EDUCATION DEPARTMENT
THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234
2018 Mathematics Tests Map to the Standards
Grade 7 Released Questions on EngageNY

Question	Type	Key	Points	Standard	Cluster	Subscore
Session 1						
1	Multiple Choice	B	1	CCSS.Math.Content.7.NS.A.2d	The Number System	The Number System
2	Multiple Choice	C	1	CCSS.Math.Content.7.G.B.4	Geometry	
3	Multiple Choice	A	1	CCSS.Math.Content.7.EE.B.4a	Expressions and Equations	Expressions and Equations
6	Multiple Choice	B	1	CCSS.Math.Content.7.SP.C.7b	Statistics and Probability	
7	Multiple Choice	B	1	CCSS.Math.Content.7.NS.A.3	The Number System	The Number System
10	Multiple Choice	C	1	CCSS.Math.Content.7.EE.A.1	Expressions and Equations	Expressions and Equations
11	Multiple Choice	A	1	CCSS.Math.Content.7.RP.A.2a	Ratios and Proportional Relationships	Ratios and Proportional Relationships
16	Multiple Choice	B	1	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships	Ratios and Proportional Relationships
17	Multiple Choice	D	1	CCSS.Math.Content.7.NS.A.1a	The Number System	The Number System
22	Multiple Choice	D	1	CCSS.Math.Content.7.NS.A.3	The Number System	The Number System
23	Multiple Choice	D	1	CCSS.Math.Content.7.EE.B.3	Expressions and Equations	Expressions and Equations
26	Multiple Choice	D	1	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships	Ratios and Proportional Relationships
27	Multiple Choice	A	1	CCSS.Math.Content.7.NS.A.1d	The Number System	The Number System
28	Multiple Choice	C	1	CCSS.Math.Content.7.SP.B.3	Statistics and Probability	
29	Multiple Choice	D	1	CCSS.Math.Content.7.NS.A.1c	The Number System	The Number System
30	Multiple Choice	B	1	CCSS.Math.Content.7.SP.C.6	Statistics and Probability	
31	Multiple Choice	A	1	CCSS.Math.Content.6.SP.B.4	Statistics and Probability	
32	Multiple Choice	B	1	CCSS.Math.Content.7.RP.A.2d	Ratios and Proportional Relationships	Ratios and Proportional Relationships
33	Multiple Choice	B	1	CCSS.Math.Content.7.SP.C.7b	Statistics and Probability	
Session 2						
34	Multiple Choice	C	1	CCSS.Math.Content.7.SP.C.5	Statistics and Probability	
35	Multiple Choice	B	1	CCSS.Math.Content.7.EE.A.1	Expressions and Equations	Expressions and Equations
36	Multiple Choice	C	1	CCSS.Math.Content.7.RP.A.1	Ratios and Proportional Relationships	Ratios and Proportional Relationships
37	Multiple Choice	D	1	CCSS.Math.Content.7.EE.A.1	Expressions and Equations	Expressions and Equations
38	Multiple Choice	C	1	CCSS.Math.Content.7.EE.B.4b	Expressions and Equations	Expressions and Equations
39	Multiple Choice	D	1	CCSS.Math.Content.7.EE.A.2	Expressions and Equations	Expressions and Equations
40	Multiple Choice	D	1	CCSS.Math.Content.7.G.A.1	Geometry	
41	Constructed Response		2	CCSS.Math.Content.7.G.A.1	Geometry	
42	Constructed Response		2	CCSS.Math.Content.7.NS.A.3	The Number System	The Number System
43	Constructed Response		2	CCSS.Math.Content.7.EE.B.4b	Expressions and Equations	Expressions and Equations
44	Constructed Response		2	CCSS.Math.Content.7.EE.B.3	Expressions and Equations	Expressions and Equations
45	Constructed Response		2	CCSS.Math.Content.7.NS.A.3	The Number System	The Number System
46	Constructed Response		2	CCSS.Math.Content.7.EE.B.4a	Expressions and Equations	Expressions and Equations
47	Constructed Response		2	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships	Ratios and Proportional Relationships
48	Constructed Response		3	CCSS.Math.Content.7.RP.A.2b	Ratios and Proportional Relationships	Ratios and Proportional Relationships

*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.