



New York State
EDUCATION DEPARTMENT
Knowledge > Skill > Opportunity

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

Released Questions

2021

New York State administered the Mathematics Tests in May 2021 and is now making the questions from Session 1 of these tests available for review and use. Only Session 1 was required in 2021.



New York State Testing Program Grades 3–8 Mathematics

Released Questions from 2021 Tests

Background

In 2013, New York State (NYS) 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 (NYSED) 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 2021 NYS Grades 3–8 English Language Arts and Mathematics test materials for review, discussion, and use.

In February 2021, with the ongoing COVID-19 pandemic still forcing restrictions on all educational and learning activities statewide, NYSED submitted two federal waiver requests related to state assessment and accountability requirements. The waiver requests addressed the unique circumstances caused by the pandemic that have resulted in many students receiving some or all of their instruction remotely.

Later that month, the United States Department of Education (USDE) informed states that it would not grant a blanket waiver for state assessments. However, the USDE agreed to uncouple state assessments from the Every Student Succeeds Act (ESSA) accountability requirements so that test results will be used solely as a measure of student learning. Additionally, it was decided that NYSED would administer only Session 1 of the Grades 3–8 ELA and Mathematics Tests for the Spring 2021 administration and that the tests would include previously administered questions.

The decision to use previously administered test questions in this extraordinary year was based on guidance from nationally recognized experts in the assessment field and was recommended in a [publication](#) from the Council of Chief State School Officers to state education departments. Reusing test questions provided the benefit of having established scale scores and stable item parameters. Using previously administered test questions also ensured that it will be possible to develop new test forms for 2022 and beyond. Although it was not the driver of the decision, the reuse of previously administered test questions provided an opportunity for cost savings during these unique circumstances where the instructional models used by schools varied throughout the State.

For 2021, the entire Session 1 booklet is being released as this is all that students were required to take. Additionally, NYSED is providing a map that details what learning standards 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 NYSED'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.

New York State P–12 Learning Standards Alignment

The alignment to the New York State P–12 Learning Standards for Mathematics is intended to identify the primary analytic skills necessary to successfully answer each question. 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
Mathematics Test
Session 1
v202

**Pwogram Egzamen
Eta Nouyòk
Egzamen Matematik
Seyans 1**

Ane 7

v202

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 © 2021 by the New York State Education Department.

Ane 7 Fèy Referans Matematik

KONVÈSYON

1 pous = 2,54 santimèt

1 mètr = 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

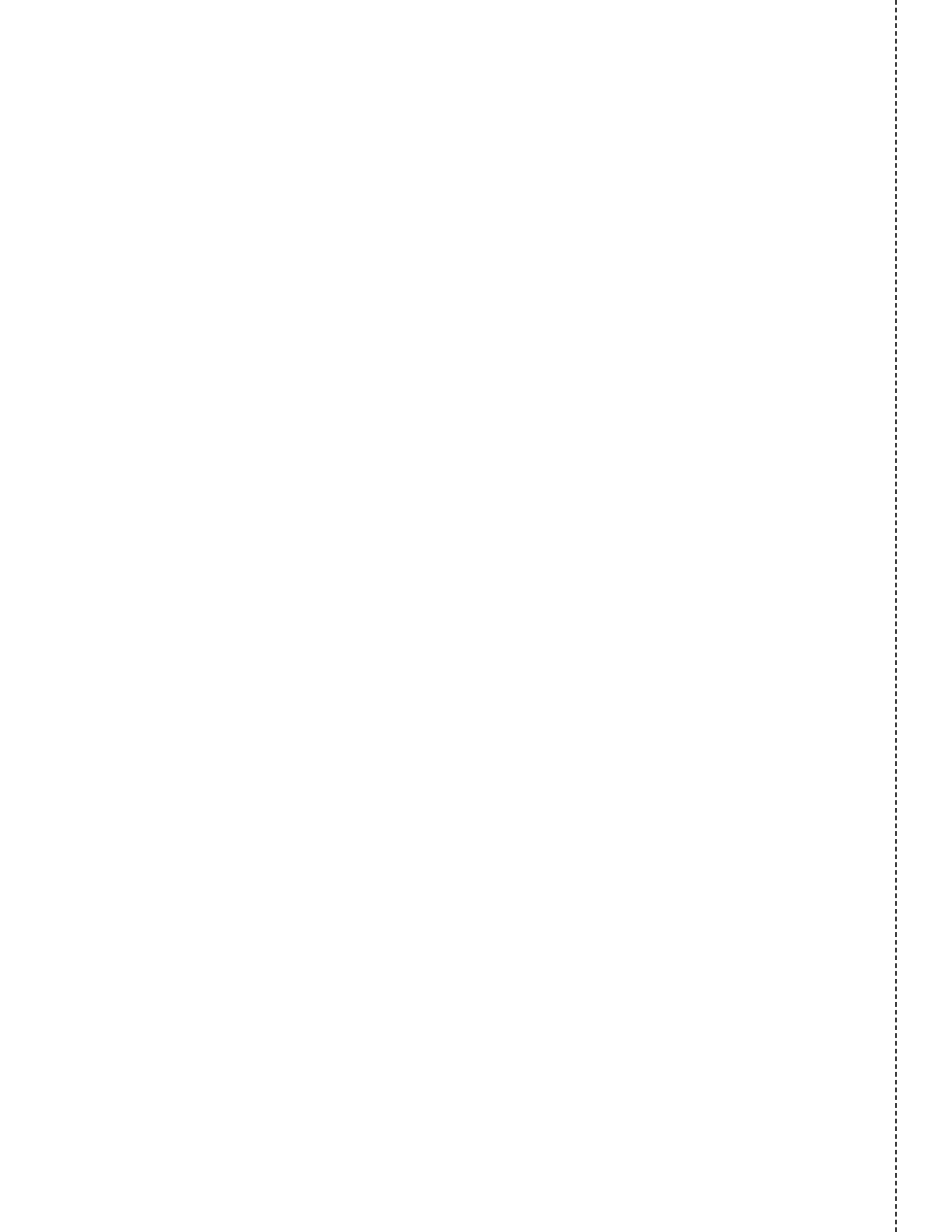
$$A = \pi r^2$$

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 matematik (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 w sèvi ak chak grenn nan enstriman matematik yo avèk papye fòmil la tou. Ou ka sèvi ak enstriman matematik yo avèk papye fòmil la tou nenpòt ki lè w panse l ap ede w reponn yon kesyon.

1 Clara al jwe gòlf minyati. Li peye \$7,50 pou yon biyè admisyon ak \$6,25 pou chak pakou gòlf li jwe. Kantite total Clara peye pou admisyon ak kantite pakou li jwe gòlf se \$26,25. Ki ekwasyon ou te ka itilize pou detèmine kantite pakou gòlf, x , Clara jwe gòlf?

A $6,25x + 7,50 = 26,25$

B $6,25x - 7,50 = 26,25$

C $7,50x + 6,25 = 26,25$

D $7,50x - 6,25 = 26,25$

2 Kisa ki desimal egzak ki ekivalan ak $\frac{7}{12}$?

A 0,583

B $0,58\bar{3}$

C 1,714

D $1,71\bar{4}$

3 Manje midi Joseph nan yon restoran koute \$13,00, san taks. Li kite yon poubwa 17% pou repa a pou sèvè a, san taks. Konbyen pri total repa a koute, ak poubwa a ladan, san taks?

A \$2,21

B \$10,79

C \$13,17

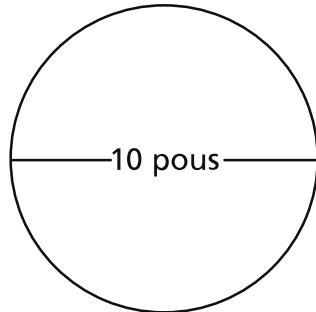
D \$15,21

KONTINYE

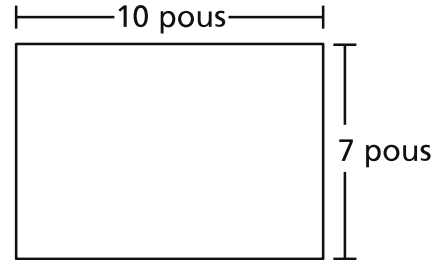
4

Jordan ap fè gato chokola epi li pral chwazi pou itilize swa yon kaswòl won oswa yon kaswòl rektangilè. Nou montre dimansyon anba chak kaswòl anba a.

**ANBA KASWÒL
WON AN**



**ANBA KASWÒL
REKTANGILÈ AN**



Ki deklarasyon ki dekri kòrèkteman kijan sifas anba kaswòl won an konpare ak sifas anba kaswòl rektangilè a?

- A Sifas anba kaswòl won an plis pase sifas anba kaswòl rektangilè a pa apeprè 8,5 pous kare.
- B Sifas anba kaswòl won an plis pase sifas anba kaswòl rektangilè a pa apeprè 244,2 pous kare.
- C Sifas anba kaswòl won an mwens pase sifas anba kaswòl rektangilè a pa apeprè 7,2 pous kare.
- D Sifas anba kaswòl won an mwens pase sifas anba kaswòl rektangilè a pa apeprè 38,6 pous kare.

5

An mwayèn, Shawnte bwè $\frac{1}{2}$ yon vè 6 ons dlo nan $\frac{2}{3}$ èdtan. Ki kantite dlo li bwè nan inèdtan.

- A 0,75 ons
- B 2 ons
- C 4,5 ons
- D 9 ons

KONTINYE

6

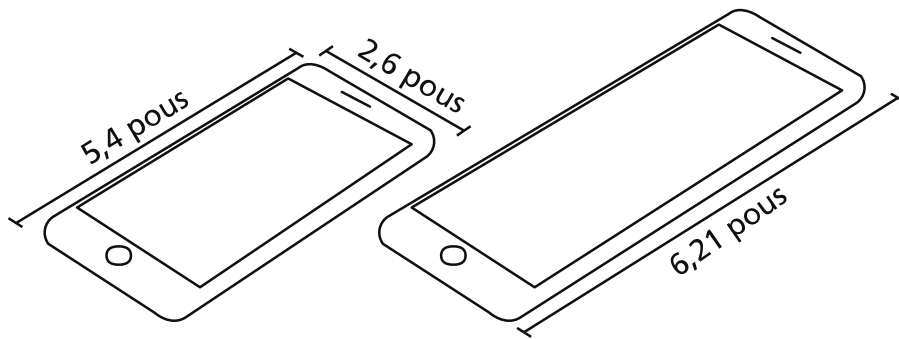
Kisa ki valè ekspresyon ki anba la a?

$$\frac{-(-4)(-6) - \frac{3}{5}(10 + 15)}{\frac{1}{3}}$$

- A -117
- B -13
- C 3
- D 27

7

Dyagram nan montre longè ak lajè yon telefòn selilè, ak longè yon pi gran vèsyon menm mak telefòn selilè a.



Longè ak lajè de telefòn selilè yo pwopòsyonèl. Konbyen pou lajè pi gran vèsyon telefòn selilè a ye?

- A 1,15
- B 2,26
- C 2,99
- D 3,41

KONTINYE

8

Ant 12:00 minwi ak 6:00 dimaten, tanperati a te diminye pa 12°C . Si tanperati orijinal la te 12°C , ki ekspresyon nou te ka itilize pou reprezante sityasyon sa a?

- A $12 - 12$
- B $12 + 12$
- C $12 - (-12)$
- D $-12 + (-12)$

9

Jordan prepare 200 etikèt non pou itilize nan yon reyinyon. Nou dekri kantite pou chak koulè etikèt non yo anba la a.

- 35% nan etikèt non yo ble
- $\frac{3}{8}$ nan etikèt non yo jòn
- tout rès etikèt non yo wouj

Konbyen nan etikèt non Jordan yo ki wouj?

- A 55
- B 90
- C 110
- D 145

KONTINYE

10

Rapò ant tigason ak tifi nan klèb apre lekòl Mèt Johnson nan se menm ak rapò ant tigason ak tifi nan klèb apre lekòl Madmwazèl Greene nan. Gen 4 tigason ak 12 tifi nan klèb Mèt Johnson nan. Gen 6 tigason nan klèb Madmwazèl Greene nan. Konbyen tifi ki gen nan klèb Madmwazèl Greene nan?

- A 2
- B 12
- C 14
- D 18

11

Pri regilye yon pwodwi nan yon magazen se p dola. Y ap vann pwodwi a ak yon rabè kote yo retire 20% sou pri regilye a. Kèk nan ekspresyon yo ki anba la a reprezante pri ak rabè a, an dola, pou pwodwi a.

Ekspresyon A: $0,2p$

Ekspresyon B: $0,8p$

Ekspresyon C: $1 - 0,2p$

Ekspresyon D: $p - 0,2p$

Ekspresyon E: $p - 0,8p$

Kiyès nan de ekspresyon sa yo ki reprezante pri pwodwi a ak rabè a?

- A Ekspresyon A ak Ekspresyon E
- B Ekspresyon B ak Ekspresyon C
- C Ekspresyon B ak Ekspresyon D
- D Ekspresyon C ak Ekspresyon D

KONTINYE

12 Semèn pase, pri pòm nan yon makèt te \$1,60 pa liv. Semèn sa a, pòm nan menm makèt la te pou vann ak yon rabè 10%. Kisa ki pri total $4\frac{1}{2}$ liv pòm semèn sa a nan makèt la?

A \$4,77

B \$6,48

C \$6,75

D \$6,93

13 Yon objè deplase sou yon chemen orizontal tou dwat nan yon vitès konstan. Objè a deplase $\frac{1}{20}$ longè chemen an nan $\frac{3}{4}$ segonn. Ak to sa a, konbyen segonn l ap pran pou objè a deplase nan tout longè chemen an?

A 15

B $15\frac{3}{4}$

C 20

D $20\frac{3}{4}$

KONTINYE

14

Yon magazen mèb ap vann pwodwi yo pi bon mache kote yo retire $\frac{1}{3}$ sou pri orijinal yon kanape. Pri orijinal kanape a se \$1.029,00. Yo bay kliyan yo yon lòt rabè kote yo retire 5% sou pri ki deja pi bon mache a lè yon kliyan peye ak lajan kach. Lè w al peye, yo ajoute yon taks sou lavant ki 6,5% sou pri final kanape a. Konbyen pri total kanape a ap ye, ak pri taks sou lavant la ladan, pou kliyan ki peye ak lajan kach yo?

- A \$343,00
- B \$651,70
- C \$686,00
- D \$694,06

KONTINYE

15

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

A

x	y
3	4
6	10
9	16
12	22
15	28

C

x	y
4	2
8	4
12	8
16	14
20	20

B

x	y
12	6
14	12
16	18
18	24
20	30

D

x	y
5	1
10	2
15	3
20	4
25	5

16

Ki ekspresyon ki ekivalan ak $7a - 8 - 12a + 4$?

A $-9a$

B $31a$

C $-5a - 4$

D $19a + 12$

KONTINYE

17

Yon bwat gen klips twa tay diferan. Nou mete kantite tay klips yo anba la a.

- 100 klips tay piti
- 250 klips tay mwayèn
- 150 klips tay gran

Yo chwazi yon klips owaza nan bwat la. Kisa ki pwobabilite pou klips yo chwazi a se yon tay piti oswa mwayèn?

- A** $\frac{1}{3}$
- B** $\frac{2}{3}$
- C** $\frac{3}{7}$
- D** $\frac{7}{10}$

18

Kisa $\frac{1}{2}\%$ $\left[(-0,5) \times \left(-\frac{1}{4}\right) \right]$ ye?

- A** 0,000625
- B** 0,00025
- C** 0,065
- D** 0,025

KONTINYE

19

Mario vann soulye pou gason ak fi nan magazen soulye li a. Li anvè vann soulye pou timoun tou. Li chwazi 120 kliyan owaza pou patisipe nan yon ankèt. W ap jwenn rezilta ankèt la anba a.

- 42 kliyan di yo t ap achte soulye pou timoun
- 78 kliyan di yo pa t ap achte soulye pou timoun

Mario gen yon mwayèn 440 kliyan pa mwa. Selon rezilta ankèt la, ki valè ki **pi bon** estimasyon kantite kliyan ki t ap achte soulye pou timoun pandan yon mwa mwayèn?

- A 120
- B 154
- C 220
- D 286

20

Danielle kreye yon modèl echèl yon bilding ki gen yon baz rektangilè. Modèl li a gen 2 pous pou longè ak 1 pous pou lajè. Echèl sou modèl la se 1 pous = 47 pye. Konbyen pye kare vrè sifas baz bilding lan ye?

- A 141
- B 282
- C 2.209
- D 4.418

KONTINYE

21 Ki valè ki pral fè ekwasyon sa a kòrèk?

$$-2,1 - \frac{?}{?} = -1\frac{1}{2}$$

- A 3,6
- B 0,6
- C -0,6
- D -3,6

22 Manny al jwe boleng.

- Li gen \$25,00 pou depanse.
- Li depanse \$4,25 pou lwe soulye.
- Li depanse \$2,50 pou chak je boleng li jwe.

Ki inegalite Manny kapab itilize pou detèmine x , pi gran kantite je boleng li ka jwe?

- A $2,5 + 4,25x \geq 25$
- B $4,25 + 2,5x \geq 25$
- C $2,5 + 4,25x \leq 25$
- D $4,25 + 2,5x \leq 25$

KONTINYE

23

Yon direktè nan yon lekòl pre-sedondè vle chanje meni manje midi nan lekòl la. Direktè a mennen ankèt ak elèv pou detèmine kisa elèv yo t ap panse sou chanjman yo. Ki metòd sondaj ki ka pwodwi **pi bon** echantiyon reprezantatif lan?

- A mennen ankèt la ak chak senkyèm elèv ki vin lekòl nan yon machin
- B mennen ankèt la ak 3 elèv yo chwazi owaza nan chak klas prensipal
- C mennen ankèt la ak chak dizyèm elèv nan setyèm ane pandan lè manje midi
- D mennen ankèt la ak 5 elèv yo chwazi owaza nan chak klas atizana, teyat, ak mizik

24

Kerry gen yon sak ki gen mab blan ak jòn. Kerry chwazi yon mab nan sak la owaza, li anrejistre rezilta a, epi li re-mete mab la nan sak la. Nou mete rezilta premye 65 seleksyon yo anba la a.

- Yo te chwazi yon mab blan 41 fwa.
- Yo te chwazi yon mab jòn 24 fwa.

Selon rezilta sa yo, kisa ki pwobabilite pou pwochen mab Kerry chwazi a, awondi nan pousantaj ki pi pre a, pral blan?

- A 41%
- B 50%
- C 59%
- D 63%

KONTINYE

25

Ki sitiyasyon rezilta a t ap yon valè zewo final?

- A** chanjman nan tanperati a lè tanperati a soti nan -10°F pou rive nan 10°F
- B** benefis total yon moun fè lè li achte yon pwodwi pou \$2,25 epi li vann pwodwi a pou \$2,25
- C** chanjman nan altitud yon balon dirijab ki monte ak van cho apre li te monte 21 kilomèt sou nivo lanmè a
- D** distans total yon moun vwayaje lè li monte bekàn 3,1 mil pou ale lekòl epi li monte bekàn 3,1 mil pou retounen lakay li

26

Nou montre yon ekwasyon anba la a.

$$2(x - 9) = 9 \div \left(-\frac{1}{3}\right)$$

Ki valè x ki fè ekwasyon an kòrèk?

- A** $-9,0$
- B** $-4,5$
- C** $3,0$
- D** $7,5$

KANPE LA

Ane 7
Egzamen Matematik
Seyans 1
v202

Grade 7
Mathematics Test
Session 1
v202

THE STATE EDUCATION DEPARTMENT
THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234
2021 Mathematics Tests Map to the Standards
Grade 7 Released Questions

Question	Type	Key	Points	Standard	Cluster	Subscore	Secondary Standard(s)
Session 1							
1	Multiple Choice	A	1	CCSS.Math.Content.7.EE.B.4a	Expressions and Equations	Expressions and Equations	
2	Multiple Choice	B	1	CCSS.Math.Content.7.NS.A.2d	The Number System	The Number System	
3	Multiple Choice	D	1	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships	Ratios and Proportional Relationships	
4	Multiple Choice	A	1	CCSS.Math.Content.7.G.B.4	Geometry		
5	Multiple Choice	C	1	CCSS.Math.Content.7.RP.A.1	Ratios and Proportional Relationships	Ratios and Proportional Relationships	
6	Multiple Choice	A	1	CCSS.Math.Content.7.NS.A.3	The Number System	The Number System	
7	Multiple Choice	C	1	CCSS.Math.Content.7.RP.A.2b	Ratios and Proportional Relationships	Ratios and Proportional Relationships	
8	Multiple Choice	A	1	CCSS.Math.Content.7.NS.A.1a	The Number System	The Number System	
9	Multiple Choice	A	1	CCSS.Math.Content.7.EE.B.3	Expressions and Equations	Expressions and Equations	
10	Multiple Choice	D	1	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships	Ratios and Proportional Relationships	
11	Multiple Choice	C	1	CCSS.Math.Content.7.EE.A.2	Expressions and Equations	Expressions and Equations	
12	Multiple Choice	B	1	CCSS.Math.Content.7.NS.A.3	The Number System	The Number System	
13	Multiple Choice	A	1	CCSS.Math.Content.7.RP.A.1	Ratios and Proportional Relationships	Ratios and Proportional Relationships	
14	Multiple Choice	D	1	CCSS.Math.Content.7.RP.A.3	Ratios and Proportional Relationships	Ratios and Proportional Relationships	
15	Multiple Choice	D	1	CCSS.Math.Content.7.RP.A.2a	Ratios and Proportional Relationships	Ratios and Proportional Relationships	
16	Multiple Choice	C	1	CCSS.Math.Content.7.EE.A.1	Expressions and Equations	Expressions and Equations	
17	Multiple Choice	D	1	CCSS.Math.Content.7.SP.C.7b	Statistics and Probability		
18	Multiple Choice	A	1	CCSS.Math.Content.7.EE.B.3	Expressions and Equations	Expressions and Equations	
19	Multiple Choice	B	1	CCSS.Math.Content.7.SP.A.2	Statistics and Probability		
20	Multiple Choice	D	1	CCSS.Math.Content.7.G.A.1	Geometry		
21	Multiple Choice	C	1	CCSS.Math.Content.7.NS.A.1c	The Number System	The Number System	
22	Multiple Choice	D	1	CCSS.Math.Content.7.EE.B.4b	Expressions and Equations	Expressions and Equations	
23	Multiple Choice	B	1	CCSS.Math.Content.7.SP.A.1	Statistics and Probability		
24	Multiple Choice	D	1	CCSS.Math.Content.7.SP.C.6	Statistics and Probability		
25	Multiple Choice	B	1	CCSS.Math.Content.7.NS.A.1a	The Number System	The Number System	
26	Multiple Choice	B	1	CCSS.Math.Content.7.EE.B.3	Expressions and Equations	Expressions and Equations	

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.