



New York State  
EDUCATION DEPARTMENT  
Knowledge > Skill > Opportunity

**New York State Testing Program  
Grade 6  
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 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 6  
*Mathematics Test*  
Session 1  
v202



# Pwogram Egzamen Eta Nouyòk Egzamen Matematik Seyans 1

Ane **6**

v202

**Released Questions**

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## Ane 6 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

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### FÒMIL

Triyang

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

---

Prism Rektangilè Dwa

$$V = Bh \text{ oswa } V = lwh$$

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# Seyans 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 fè chwa ou.
- Yo ba w enstriman matematik (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 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**

Nou montre yon ekwasyon anba la a.

$$12 - 9 + c = 12$$

Ki valè  $c$  ki fè ekwasyon an kòrèk?

**A** 0

**B** 3

**C** 9

**D** 12

**2**

Kate gen yon koleksyon pyès monnen. Li kenbe 7 nan pyès yo nan yon bwat, ki se sèlman 5% tout koleksyon li an. Konbyen pyès ki nan koleksyon Kate la ototal?

**A** 12

**B** 14

**C** 120

**D** 140

**3**

Kisa ki pi gran faktè komen 36 ak 90 ?

**A** 6

**B** 18

**C** 36

**D** 180

**KONTINYE**

4

Nou ka reprezante relasyon ant laj Robert,  $r$ , ak laj Julia  $j$ , ak ekwasyon ki anba la a.

$$r = j + 3$$

Ki tablo valè ki reprezante relasyon ant laj Robert ak laj Julia?

LAJ POSIB

A

Laj Robert, $r$ (ane)	Laj Julia, $j$ (ane)
9	12
15	18
21	24

LAJ POSIB

C

Laj Robert, $r$ (ane)	Laj Julia, $j$ (ane)
9	6
15	12
21	18

LAJ POSIB

B

Laj Robert, $r$ (ane)	Laj Julia, $j$ (ane)
9	3
15	5
21	7

LAJ POSIB

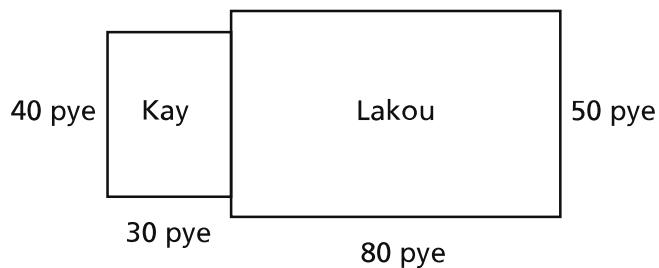
D

Laj Robert, $r$ (ane)	Laj Julia, $j$ (ane)
9	27
15	45
21	63

**KONTINYE**

**5**

Dyagram ki anba la a montre dimansyon yon kay rektangilè ak yon lakou rektangilè.



Ki kantite pye kare sifas total kay la ak lakou a ye?

- A 200
- B 400
- C 4.000
- D 5.200

**6**

Yon boutik vann 8 bagèl senp ak 13 bagèl sèg. Kisa ki rapò kantite bagèl sèg ak bagèl senp yo te vann?

- A 8 : 13
- B 13 : 8
- C 8 : 21
- D 21 : 8

**KONTINYE**

**7**

Nou trase yon rektang sou yon plan kowòdone. Kowòdone pou de somè rektang yo se  $(-5, 8)$  ak  $(-5, -6)$ . Konbyen distans ant de somè yo ye?

- A 2 inite
- B 4 inite
- C 10 inite
- D 14 inite

**8**

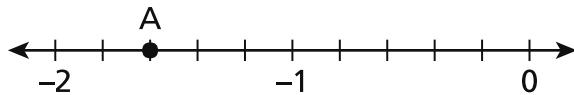
Ki valè  $m$  ki fè ekwasyon ki anba a kòrèk?

$$m + 7,9 = 39\frac{1}{2}$$

- A 5,0
- B 31,6
- C 32,4
- D 47,4

**9**

Nou montre pwen A sou dwat nimerik ki anba la a.



Ki kote pozisyon pwen A ye?

- A  $-1,3$
- B  $-1,35$
- C  $-1,6$
- D  $-1,75$

**KONTINYE**

**10** Yon pris rektangilè rektang gen yon baz ak yon sifas  $25\frac{1}{2}$  pye kare ak yon volim a 153 pye kib. Ki wotè a, an pye, pris rektangilè dwa la ye?

- A 6
- B 51
- C  $127\frac{1}{2}$
- D  $3.901\frac{1}{2}$

**11** Lendi elèv nan klas sisyèm ane yo te swa achte manje midi yo oswa yo te soti lakay yo ak li.

- 24% nan elèv yo te achte manje midi yo.
- 190 elèv te soti lakay yo ak manje midi yo.

Konbyen elèv ki genyen nan klas sisyèm ane?

- A 76
- B 166
- C 214
- D 250

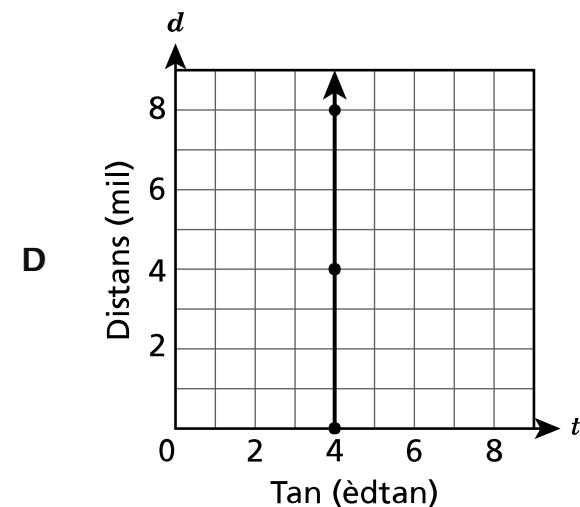
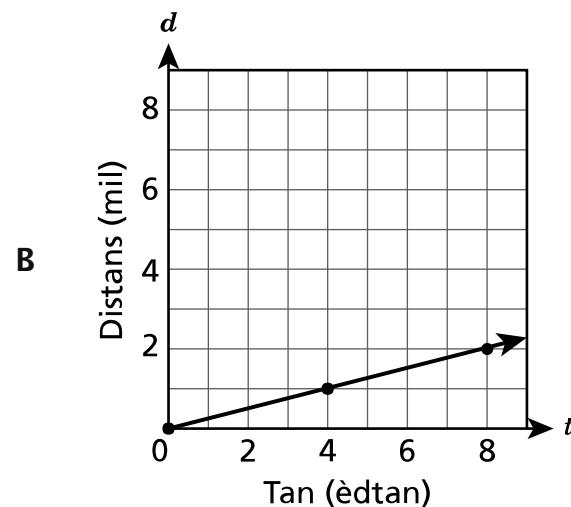
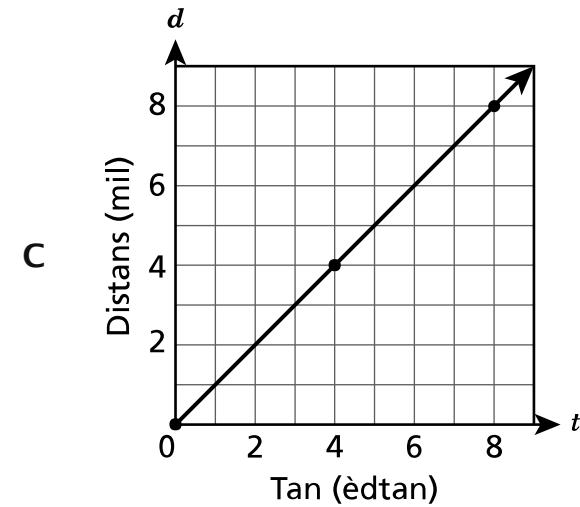
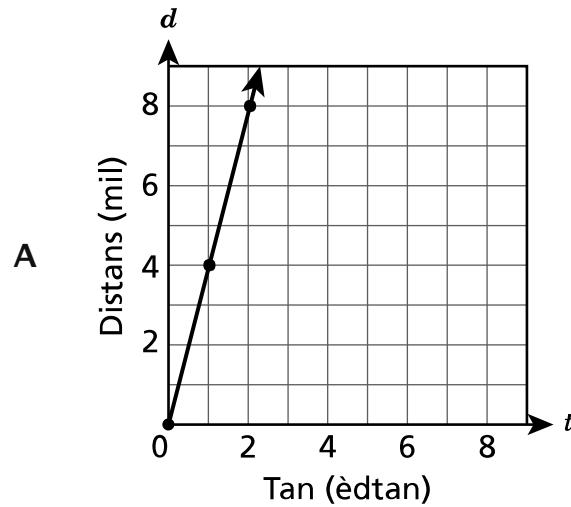
**KONTINYE**

12

Joe mache sou yon tapi kous nan menm vitès la. Ekwasyon ki anba la a dekri relasyon ant  $t$ , kantite tan li mache ann èdtan, ak  $d$ , distans li mache an mil.

$$d = 4t$$

Ki graf ki reprezante relasyon ant kantite tan Joe mache ak distans li mache?



**KONTINYE**

**13**

Gen yon ekspresyon pi ba a.

$$\frac{143 - 35}{3^3}$$

Ki valè ekspresyon an?

- A 4
- B 9
- C 12
- D 18

**14**

Gen 230 kilokalori nan 4 ons yon kalite krèm glase. Konbyen kilokalori ki nan 6 ons krèm glase sa a?

- A 232
- B 236
- C 345
- D 460

**15**

Ki valè  $x$  ki fè ekwasyon  $33x = 11$  kòrèk?

- A  $\frac{1}{3}$
- B  $\frac{3}{11}$
- C  $\frac{11}{3}$
- D 3

**KONTINYE**

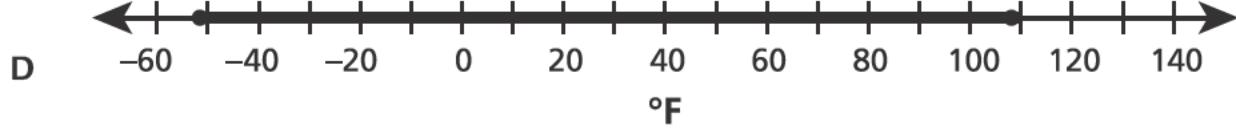
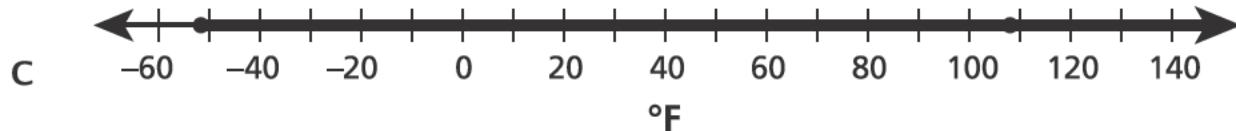
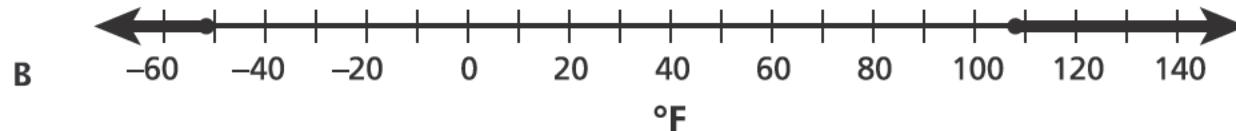
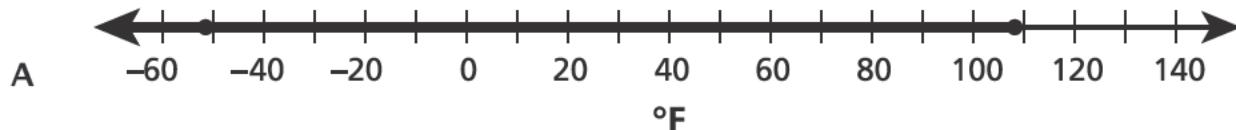
16

Yon fòm gen 12 triyang rektang ki menm gwochè a. Chak triyang rektang gen yon baz 4 santimèt ak yon wotè 5 santimèt. Ki sifas total, an santimèt kare, fòm nan ye?

- A 10
- B 60
- C 120
- D 240

17

Selon Sant Done Klimatik Nasyonal la, tanperati pi ba yo te janm anrejistre nan eta New York se  $-52^{\circ}\text{F}$  tanperati pi wo yo te janm anrejistre se  $108^{\circ}\text{F}$ . Selon valè sa yo, ki dwat nimerik ki **pi byen** reprezante entèval tanperati nan eta New York?

**KONTINYE**

**18**

Pat bat yon balon baskèt 25 fwa nan 30 segonn. Ak vitès sa a, apeprè konbyen fwa Pat pral bat balon baskèt la nan 150 segonn?

**A** 120

**B** 125

**C** 144

**D** 145

**19**

Ki ekspresyon ki ekivalan ak  $5(4x + 3) - 2x$  ?

**A**  $18x + 15$

**B**  $18x + 3$

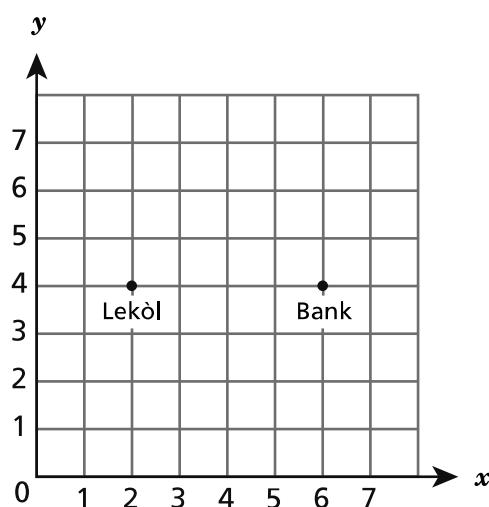
**C**  $7x + 8$

**D**  $2x + 8$

**KONTINYE**

**20**

Mark trase pwen sou plan kowòdone a pou reprezante pozisyon lekòl li ak yon bank.



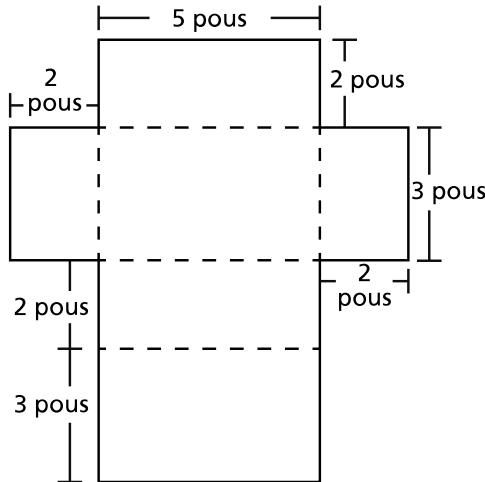
Mark vle ajoute pozisyon bibliyotèk la sou plan kowòdone a. Distans ant bibliyotèk la ak lekòl la se menm distans ant bank la ak lekòl la. Ki pè òdone ki te ka kowòdone bibliyotèk la?

- A** (2, 4)
- B** (2, 8)
- C** (4, 4)
- D** (6, 8)

**KONTINYE**

**21**

Yon elèv trase filè ki anba la a pou montre dimansyon yon vesò ki gen yon fòm tankou yon pris rektangilè dwa.



Ki sipèfisi, an pouss kare, vesò a ye?

- A 19
- B 30
- C 38
- D 62

**22**

Ki de ekspresyon ki ekivalan?

- A  $x + x + x$  ak  $x^3$
- B  $14x + 10 - 2x$  ak  $16x + 10$
- C  $12x + 16x$  ak  $4(3x + 4x)$
- D  $12x^2 + 5x + 10$  ak  $17x^2 + 10$

**KONTINYE**

**23**

Yon machin ranpli bwat nan menm vîtes la. Apre 35 minit, li te ranpli 5 bwat. Ki tablo ki reprezante relasyon ant kantite minit machin nan pran pou ranpli bwat yo ak kantite bwat li te ranpli?

**BWAT POU RANPLI**

	Tan (minit)	Bwat ki Ranpli
A	7	1
	14	2
	21	3
	28	4

**BWAT POU RANPLI**

	Tan (minit)	Bwat ki Ranpli
C	1	7
	2	14
	3	21
	4	28

**BWAT POU RANPLI**

	Tan (minit)	Bwat ki Ranpli
B	5	1
	10	2
	15	3
	20	4

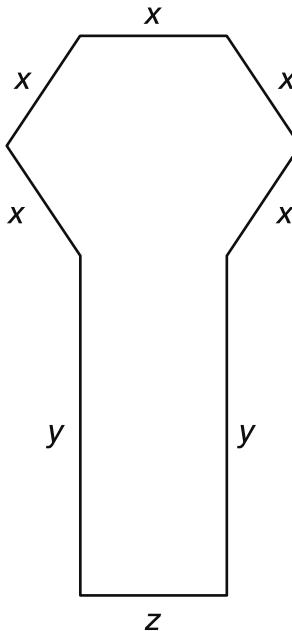
**BWAT POU RANPLI**

	Tan (minit)	Bwat ki Ranpli
D	1	5
	2	10
	3	15
	4	20

**KONTINYE**

**24**

Ki ekspresyon ki reprezante perimèt figi jewometri ki anba la a?



- A**  $5x + 2y$
- B**  $x + y + z$
- C**  $5x + 2y + z$
- D**  $(5 + 2 + 1)(x + y + z)$

**KANPE LA**



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**Ane 6**  
**Egzamen Matematik**  
**Seyans 1**  
v202

**Grade 6**  
**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 6 Released Questions**

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