

**THE STATE EDUCATION DEPARTMENT**  
**THE UNIVERSITY OF THE STATE OF NEW YORK / ALBANY, NY 12234**  
 2016 Mathematics Tests Map to the Standards  
 Released Questions Available on EngageNY

**Grade 6**

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)	
<b>Book 1</b>										
11	Multiple Choice	A	1	CCSS.Math.Content.6.EE.C.9	Expressions and Equations		0.62			
12	Multiple Choice	C	1	CCSS.Math.Content.6.EE.A.4	Expressions and Equations		0.54			
13	Multiple Choice	D	1	CCSS.Math.Content.6.NS.A.1	The Number System		0.47			
14	Multiple Choice	A	1	CCSS.Math.Content.6.NS.C.6c	The Number System		0.77			
15	Multiple Choice	C	1	CCSS.Math.Content.6.RP.A.3d	Ratios and Proportional Relationships		0.35			
16	Multiple Choice	D	1	CCSS.Math.Content.6.EE.B.8	Expressions and Equations		0.38			
17	Multiple Choice	C	1	CCSS.Math.Content.6.NS.A.1	The Number System	CCSS.Math.Content.6.G.A.1	0.48			
18	Multiple Choice	B	1	CCSS.Math.Content.6.NS.C.6a	The Number System	CCSS.Math.Content.6.NS.C.6c	0.64			
19	Multiple Choice	B	1	CCSS.Math.Content.6.EE.C.9	Expressions and Equations		0.47			
20	Multiple Choice	C	1	CCSS.Math.Content.6.RP.A.3a	Ratios and Proportional Relationships		0.62			
21	Multiple Choice	D	1	CCSS.Math.Content.6.EE.B.6	Expressions and Equations		0.54			
22	Multiple Choice	B	1	CCSS.Math.Content.6.EE.A.2a	Expressions and Equations		0.59			
<b>Book 2</b>										
27	Multiple Choice	B	1	CCSS.Math.Content.6.RP.A.2	Ratios and Proportional Relationships		0.82			
28	Multiple Choice	D	1	CCSS.Math.Content.6.RP.A.3b	Ratios and Proportional Relationships		0.71			
29	Multiple Choice	B	1	CCSS.Math.Content.6.EE.B.7	Expressions and Equations	CCSS.Math.Content.6.RP.A.3b	0.72			
30	Multiple Choice	D	1	CCSS.Math.Content.6.G.A.1	Geometry		0.38			
34	Multiple Choice	C	1	CCSS.Math.Content.6.RP.A.3a	Ratios and Proportional Relationships		0.62			
36	Multiple Choice	A	1	CCSS.Math.Content.6.RP.A.1	Ratios and Proportional Relationships	CCSS.Math.Content.6.RP.A.3	0.78			
37	Multiple Choice	A	1	CCSS.Math.Content.6.NS.C.5	The Number System		0.29			

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						Percentage of Students Who Answered Correctly (P-Value)	Average Points Earned	P-Value (Average Points Earned ÷ Total Possible Points)	Average Points Earned
38	Multiple Choice	D	CCSS.Math.Content.6.EE.C.9	Expressions and Equations		0.46			
39	Multiple Choice	B	CCSS.Math.Content.6.RP.A.3d	Ratios and Proportional Relationships		0.41			
40	Multiple Choice	C	CCSS.Math.Content.6.NS.C.7a	The Number System		0.46			
41	Multiple Choice	A	CCSS.Math.Content.6.EE.C.9	Expressions and Equations		0.59			
42	Multiple Choice	D	CCSS.Math.Content.6.G.A.3	Geometry	CCSS.Math.Content.6.NS.C.6c	0.68			
43	Multiple Choice	A	CCSS.Math.Content.6.RP.A.3c	Ratios and Proportional Relationships		0.34			
44	Multiple Choice	D	CCSS.Math.Content.6.NS.A.1	The Number System		0.26			
45	Multiple Choice	B	CCSS.Math.Content.6.G.A.4	Geometry		0.40			
46	Multiple Choice	C	CCSS.Math.Content.6.EE.A.2a	Expressions and Equations		0.48			
47	Multiple Choice	B	CCSS.Math.Content.6.RP.A.3a	Ratios and Proportional Relationships	CCSS.Math.Content.6.RP.A.1	0.42			
48	Multiple Choice	A	CCSS.Math.Content.6.EE.B.5	Expressions and Equations	CCSS.Math.Content.6.NS.B.3	0.85			
49	Multiple Choice	B	CCSS.Math.Content.6.RP.A.3b	Ratios and Proportional Relationships	CCSS.Math.Content.6.RP.A.2	0.54			
<b>Book 3</b>									
52	Constructed Response		CCSS.Math.Content.6.NS.C.8	The Number System	CCSS.Math.Content.6.RP.A.3		1.10		0.55
53	Constructed Response	2	CCSS.Math.Content.6.NS.B.4	The Number System			0.82		0.41
54	Constructed Response	2	CCSS.Math.Content.6.EE.A.1	Expressions and Equations			1.11		0.55
55	Constructed Response	2	CCSS.Math.Content.6.G.A.1	Geometry	CCSS.Math.Content.6.NS.B.3		0.70		0.35
56	Constructed Response	2	CCSS.Math.Content.6.NS.C.8	The Number System	CCSS.Math.Content.6.G.A.3		0.79		0.39
57	Constructed Response	2	CCSS.Math.Content.6.G.A.2	Geometry	CCSS.Math.Content.6.EE.A.2c		0.56		0.28
58	Constructed Response	3	CCSS.Math.Content.6.EE.A.3	Expressions and Equations			0.59		0.20
59	Constructed Response	3	CCSS.Math.Content.6.EE.B.7	Expressions and Equations			1.01		0.34
60	Constructed Response	3	CCSS.Math.Content.6.RP.A.2	Ratios and Proportional Relationships			0.37		0.12
61	Constructed Response	3	CCSS.Math.Content.6.RP.A.3c	Ratios and Proportional Relationships			1.24		0.41

\*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.