Assessment Name: MorganHill_Math_Grade7_B1_1112

Subject Name: Mathematics

Grade(s)/Course(s): Grade 7

Total Number of Items 48

STANDARDS	
1.2 - Number Sense	4
1.3 - Algebra and Functions	4
1.3 - Measurement and Geometry	4
1.3 - Number Sense	4
1.3 - Statistics, Data Analysis, and Probability	4
2.2 - Number Sense	4
2.3 - Number Sense	4
2.5 - Number Sense	4
3.3 - Algebra and Functions	4
3.3 - Measurement and Geometry	4
4.1 - Algebra and Functions	4
4.2 - Algebra and Functions	4
BLOOM'S TAXONOMY	
Evaluation	1
Synthesis	1
Analysis	2
Application	19
Comprehension	20
Knowledge	5
Conceptual Understanding	0
N/A	0
DIFFICULTY LEVEL	
Low	8
Medium	22
High	18
N/A	0

#	Standard	Difficulty Level				Bloom's Taxonomy							
		Low	Medium	High	N/A	Evaluation	Synthesis	Analysis	Application	Comprehension	Knowledge	Conceptual Understanding	N/A
1	1.2 - Number Sense			High			Synthesis						
2	1.2 - Number Sense			High						Comprehension			
3	1.2 - Number Sense	Low								Comprehension			
4	1.2 - Number Sense		Medium							Comprehension			
5	1.3 - Number Sense			High					Application				
6	1.3 - Number Sense			High					Application				
7	1.3 - Number Sense	Low							Application				
8	1.3 - Number Sense		Medium						Application				
9	2.2 - Number Sense	Low									Knowledge		
10	2.2 - Number Sense		Medium							Comprehension			
11	2.2 - Number Sense		Medium								Knowledge		
12	2.2 - Number Sense			High							Knowledge		
13	2.3 - Number Sense	Low									Knowledge		
14	2.3 - Number Sense		Medium							Comprehension			
15	2.3 - Number Sense			High					Application				
16	2.3 - Number Sense		Medium							Comprehension			
17	2.5 - Number Sense		Medium							Comprehension			
18	2.5 - Number Sense	Low									Knowledge		
19	2.5 - Number Sense		Medium							Comprehension			
20	2.5 - Number Sense		Medium							Comprehension			
21	1.3 - Algebra and Functions		Medium							Comprehension			
22	1.3 - Algebra and Functions		Medium							Comprehension			
23	1.3 - Algebra and Functions			High						Comprehension			
24	1.3 - Algebra and Functions			High				Analysis					
25	3.3 - Algebra and Functions			High						Comprehension			
26	3.3 - Algebra and Functions			High		Evaluation							
27	3.3 - Algebra and Functions		Medium							Comprehension			
28	3.3 - Algebra and Functions		Medium							Comprehension			
29	4.1 - Algebra and Functions			High						Comprehension			
30	4.1 - Algebra and Functions			High					Application				
31	4.1 - Algebra and Functions		Medium					Analysis					
32	4.1 - Algebra and Functions	Low							Application				
33	4.2 - Algebra and Functions	Low							Application				

#	Standard	Difficulty Level				Bloom's Taxonomy							
		Low	Medium	High	N/A	Evaluation	Synthesis	Analysis	Application	Comprehension	Knowledge	Conceptual Understanding	N/A
34	4.2 - Algebra and Functions		Medium						Application				
35	4.2 - Algebra and Functions			High					Application				
36	4.2 - Algebra and Functions		Medium							Comprehension			
37	1.3 - Measurement and Geometry			High					Application				
38	1.3 - Measurement and Geometry		Medium						Application				
39	1.3 - Measurement and Geometry		Medium						Application				
40	1.3 - Measurement and Geometry		Medium							Comprehension			
41	3.3 - Measurement and Geometry	Low							Application				
42	3.3 - Measurement and Geometry		Medium							Comprehension			
43	3.3 - Measurement and Geometry		Medium						Application				
44	3.3 - Measurement and Geometry			High					Application				
45	1.3 - Statistics, Data Analysis, and Probability			High					Application				
46	1.3 - Statistics, Data Analysis, and Probability			High						Comprehension			
47	1.3 - Statistics, Data Analysis, and Probability			High					Application				
48	1.3 - Statistics, Data Analysis, and Probability		Medium						Application				
	Total	**8**	**22**	**18**	**0**	**1**	**1**	**2**	**19**	**20**	**5**	**0**	**0**

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Item #	Correct Answer	Standard
1	B	7 - 1.2 - Number Sense - Add, subtract, multiply, and divide rational numbers (integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.
2	C	7 - 1.2 - Number Sense - Add, subtract, multiply, and divide rational numbers (integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.
3	A	7 - 1.2 - Number Sense - Add, subtract, multiply, and divide rational numbers (integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.
4	B	7 - 1.2 - Number Sense - Add, subtract, multiply, and divide rational numbers (integers, fractions, and terminating decimals) and take positive rational numbers to whole-number powers.
5	C	7 - 1.3 - Number Sense - Convert fractions to decimals and percents and use these representations in estimations, computations, and applications.
6	D	7 - 1.3 - Number Sense - Convert fractions to decimals and percents and use these representations in estimations, computations, and applications.
7	B	7 - 1.3 - Number Sense - Convert fractions to decimals and percents and use these representations in estimations, computations, and applications.
8	B	7 - 1.3 - Number Sense - Convert fractions to decimals and percents and use these representations in estimations, computations, and applications.
9	D	7 - 2.2 - Number Sense - Add and subtract fractions by using factoring to find common denominators.
10	A	7 - 2.2 - Number Sense - Add and subtract fractions by using factoring to find common denominators.
11	C	7 - 2.2 - Number Sense - Add and subtract fractions by using factoring to find common denominators.
12	D	7 - 2.2 - Number Sense - Add and subtract fractions by using factoring to find common denominators.
13	D	7 - 2.3 - Number Sense - Multiply, divide, and simplify rational numbers by using exponent rules.
14	B	7 - 2.3 - Number Sense - Multiply, divide, and simplify rational numbers by using exponent rules.
15	A	7 - 2.3 - Number Sense - Multiply, divide, and simplify rational numbers by using exponent rules.
16	D	7 - 2.3 - Number Sense - Multiply, divide, and simplify rational numbers by using exponent rules.
17	C	7 - 2.5 - Number Sense - Understand the meaning of the absolute value of a number; interpret the absolute value as the distance of the number from zero on a number line; and determine the absolute value of real numbers.
18	D	7 - 2.5 - Number Sense - Understand the meaning of the absolute value of a number; interpret the absolute value as the distance of the number from zero on a number line; and determine the absolute value of real numbers.
19	B	7 - 2.5 - Number Sense - Understand the meaning of the absolute value of a number; interpret the absolute value as the distance of the number from zero on a number line; and determine the absolute value of real numbers.
20	B	7 - 2.5 - Number Sense - Understand the meaning of the absolute value of a number; interpret the absolute value as the distance of the number from zero on a number line; and determine the absolute value of real numbers.
21	D	7 - 1.3 - Algebra and Functions - Simplify numerical expressions by applying properties of rational numbers (e.g., identity, inverse, distributive, associative, commutative) and justify the process used.
22	B	7 - 1.3 - Algebra and Functions - Simplify numerical expressions by applying properties of rational numbers (e.g., identity, inverse, distributive, associative, commutative) and justify the process used.
23	D	7 - 1.3 - Algebra and Functions - Simplify numerical expressions by applying properties of rational numbers (e.g., identity, inverse, distributive, associative, commutative) and justify the process used.
24	D	7 - 1.3 - Algebra and Functions - Simplify numerical expressions by applying properties of rational numbers (e.g., identity, inverse, distributive, associative, commutative) and justify the process used.
25	B	7 - 3.3 - Algebra and Functions - Graph linear functions, noting that the vertical change (change in y-value) per unit of horizontal change (change in x-value) is always the same and know that the ratio ("rise over run") is called the slope of a graph.
26	B	7 - 3.3 - Algebra and Functions - Graph linear functions, noting that the vertical change (change in y-value) per unit of horizontal change (change in x-value) is always the same and know that the ratio ("rise over run") is called the slope of a graph.

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Item #	Correct Answer	Standard
27	C	7 - 3.3 - Algebra and Functions - Graph linear functions, noting that the vertical change (change in y-value) per unit of horizontal change (change in x-value) is always the same and know that the ratio ("rise over run") is called the slope of a graph.
28	D	7 - 3.3 - Algebra and Functions - Graph linear functions, noting that the vertical change (change in y-value) per unit of horizontal change (change in x-value) is always the same and know that the ratio ("rise over run") is called the slope of a graph.
29	D	7 - 4.1 - Algebra and Functions - Solve two-step linear equations and inequalities in one variable over the rational numbers, interpret the solution or solutions in the context from which they arose, and verify the reasonableness of the results.
30	D	7 - 4.1 - Algebra and Functions - Solve two-step linear equations and inequalities in one variable over the rational numbers, interpret the solution or solutions in the context from which they arose, and verify the reasonableness of the results.
31	D	7 - 4.1 - Algebra and Functions - Solve two-step linear equations and inequalities in one variable over the rational numbers, interpret the solution or solutions in the context from which they arose, and verify the reasonableness of the results.
32	C	7 - 4.1 - Algebra and Functions - Solve two-step linear equations and inequalities in one variable over the rational numbers, interpret the solution or solutions in the context from which they arose, and verify the reasonableness of the results.
33	D	7 - 4.2 - Algebra and Functions - Solve multistep problems involving rate, average speed, distance, and time or a direct variation.
34	A	7 - 4.2 - Algebra and Functions - Solve multistep problems involving rate, average speed, distance, and time or a direct variation.
35	C	7 - 4.2 - Algebra and Functions - Solve multistep problems involving rate, average speed, distance, and time or a direct variation.
36	A	7 - 4.2 - Algebra and Functions - Solve multistep problems involving rate, average speed, distance, and time or a direct variation.
37	B	7 - 1.3 - Measurement and Geometry - Use measures expressed as rates (e.g., speed, density) and measures expressed as products (e.g., person-days) to solve problems; check the units of the solutions; and use dimensional analysis to check the reasonableness of the answer.
38	B	7 - 1.3 - Measurement and Geometry - Use measures expressed as rates (e.g., speed, density) and measures expressed as products (e.g., person-days) to solve problems; check the units of the solutions; and use dimensional analysis to check the reasonableness of the answer.
39	B	7 - 1.3 - Measurement and Geometry - Use measures expressed as rates (e.g., speed, density) and measures expressed as products (e.g., person-days) to solve problems; check the units of the solutions; and use dimensional analysis to check the reasonableness of the answer.
40	D	7 - 1.3 - Measurement and Geometry - Use measures expressed as rates (e.g., speed, density) and measures expressed as products (e.g., person-days) to solve problems; check the units of the solutions; and use dimensional analysis to check the reasonableness of the answer.
41	C	7 - 3.3 - Measurement and Geometry - Know and understand the Pythagorean theorem and its converse and use it to find the length of the missing side of a right triangle and the lengths of other line segments and, in some situations, empirically verify the Pythagorean theorem by direct measurement.
42	A	7 - 3.3 - Measurement and Geometry - Know and understand the Pythagorean theorem and its converse and use it to find the length of the missing side of a right triangle and the lengths of other line segments and, in some situations, empirically verify the Pythagorean theorem by direct measurement.
43	C	7 - 3.3 - Measurement and Geometry - Know and understand the Pythagorean theorem and its converse and use it to find the length of the missing side of a right triangle and the lengths of other line segments and, in some situations, empirically verify the Pythagorean theorem by direct measurement.
44	C	7 - 3.3 - Measurement and Geometry - Know and understand the Pythagorean theorem and its converse and use it to find the length of the missing side of a right triangle and the lengths of other line segments and, in some situations, empirically verify the Pythagorean theorem by direct measurement.

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Item #	Correct Answer	Standard
45	D	7 - 1.3 - Statistics, Data Analysis, and Probability - Understand the meaning of, and be able to compute, the minimum, the lower quartile, the median, the upper quartile, and the maximum of a data set.
46	C	7 - 1.3 - Statistics, Data Analysis, and Probability - Understand the meaning of, and be able to compute, the minimum, the lower quartile, the median, the upper quartile, and the maximum of a data set.
47		7 - 1.3 - Statistics, Data Analysis, and Probability - Understand the meaning of, and be able to compute, the minimum, the lower quartile, the median, the upper quartile, and the maximum of a data set.
48	B	7 - 1.3 - Statistics, Data Analysis, and Probability - Understand the meaning of, and be able to compute, the minimum, the lower quartile, the median, the upper quartile, and the maximum of a data set.