

Summer Math 2018

Students Entering 7th Grade

Dear 6th Grade Students and Families:

Although there are many areas where students need development and exposure, the math department has identified Fraction & Decimal Computation, Algebra & Patterns, Probability, Data & Statistics, Geometry & Measurement, Percents, Equations and Substitution as the main target areas for students to work on. All students are expected to have a general understanding of these concepts to be successful in math next year. Students who enter the 7th grade without competency with these skills will have significant difficulty being successful in 7th grade math.

This packet consists of 14 double-sided pages. Two double-sided sheets need to be completed each week. Students may use a calculator **ONLY** on the pages with a calculator symbol. This packet will be checked during the first week of school and they will be tested on this material during the first weeks of school in September. The Kahn Academy website (<https://www.khanacademy.org/math/cc-sixth-grade-math>) also has excellent resources for remediation, practice and extension.

We encourage you to keep math in the forefront of your thinking this summer. In your travels, look for patterns, bake a cake, or estimate the cost of groceries. Enjoy your summer, get some well-deserved rest, and think math! It's all around us!

Sincerely,

Suzanne Raskin & Valia Bourmpoula

Level 6 (Course 1) – Summer Math Packet

Answer Key

Page 2

Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1. $x + \frac{1}{2}$			
2. $x - 0.7$			
3. $0.21 - x$			
4. $x + 46$			

Page 3

Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1. 165			
2. 108			
3. 24			
4. 75			
5. 18			
6. 61			

Page 4

Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1. 95			
2. 43			
3. 7			
4. 256			
5. 8			
6. 468			

Page 5

Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1. $g = 7$			
2. $s = 41$			
3. $m = 7$			
4. $k = 14$			
5. $w = 15.75$			
6. $g = 53.5$			

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Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1. $x = 9$			
2. $k = 72$			
3. $b = 0.71$			
4. $h = 38.85$			
5. $m = 7.06$			
6. $p = 34.71$			

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Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1. 9 cm			
2. 13 cm			
3. 18 cm			
4. 15 cm			
5. 21 ft			
6. 86 mm			

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Page 12

Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.															
1. <table border="1"><tr><td>North</td><td> </td><td>8</td></tr><tr><td>South</td><td> </td><td>6</td></tr><tr><td>East</td><td> </td><td>6</td></tr><tr><td>West</td><td> </td><td>4</td></tr></table>	North		8	South		6	East		6	West		4						
North		8																
South		6																
East		6																
West		4																
2. <table border="1"><tr><td>Pizza</td><td> </td><td>8</td></tr><tr><td>Taco</td><td> </td><td>6</td></tr><tr><td>Hamburger</td><td> </td><td>4</td></tr><tr><td>Hot Dog</td><td> </td><td>2</td></tr><tr><td>Chicken</td><td> </td><td>4</td></tr></table>	Pizza		8	Taco		6	Hamburger		4	Hot Dog		2	Chicken		4			
Pizza		8																
Taco		6																
Hamburger		4																
Hot Dog		2																
Chicken		4																

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Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1a. 10			
1b. 30			
1c. 0, 4, 3, 2, 1			
2a. 5			
2b. 14			
2c. Vanilla & Chocolate Chip			

Answer	I got it on the first try!	I got it with corrections	I have no idea
1. 19, 13, 12, 19, 9, 5, 13, 18, 8 Min=5 Max=19 q1=8.5 Q2=13 q3=18.5 			
2. 69, 32, 49, 24, 58, 29, 54, 66, 35, 31 Min=24 Max=69 q1=31 Q2=42 q3=58 			
3. 16, 18, 13, 15, 19, 12, 15, 18, 5 Min=5 Max=19 q1=12.5 Q2=15 q3=18 			
4. 9, 13, 19, 16, 14, 19 Min=9 Max=19 q1=13 Q2=15 q3=19 			

Answer	I got it on the first try!	I got it with corrections.	I have no idea.
1. 3.75			
2. $15\frac{1}{3}$			
3. 14%			
4. 127.2			

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Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1. 1			
2. $\frac{7}{24}$			
3. $4\frac{1}{8}$			
4. $2\frac{1}{30}$			
5. $4\frac{1}{4}$			
6. $12\frac{1}{4}$			

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Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1. $\frac{5}{12}$			
2. $\frac{3}{5}$			
3. $3\frac{1}{2}$			
4. $7\frac{1}{2}$			
5. $6\frac{3}{10}$			
6. $5\frac{1}{4}$			

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Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1. 0.6			
2. 15.18			
3. 0.24			
4. 39.45			
5. \$16.79			
6. \$106.50			

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Answer	I got it on the 1 st try!	I got it with corrections.	I have no idea.
1. 3.125			
2. 6.424			
3. 21.5			
4. 0.375			
5. \$5.30			
6. \$0.59			