Student Name: _____

Rising Algebra Summer Work

Each student will have the opportunity to participate in an ice cream party at the beginning of the 2019-2020 school year by completing the following IXL's by August 16..

In the **7th grade section** of IXL, Rising Algebra students must earn 80 smart points on 25 of the 30 IXL strands listed below.Make sure you have your reporting date to start AFTER June 8th ~ and if you already have a smart score of 80, you need to do at least one more problem to maintain this smart score during this reporting period. This summer work is not counted for a percentage grade, but is highly encouraged so that you are ready for the next school year. If you want to participate in the ice cream party, you **must** meet the criteria listed above. If you do not qualify for the ice cream party, you will work on IXL while the party is happening :)

IXL Strand Name

1. Compare and order integers
2. Integer inequalities with absolute value
3. Add and subtract integers
4. Multiply and divide integers
5. Evaluate numerical expressions involving integers
6. Evaluate multi-variable expressions
7. Evaluate non-linear expressions
8. Add and subtract like terms
9. Add and subtract linear expressions
10. Write and solve equations that represent diagrams
11. Solve two-step equations
12. Solve equations involving like terms
13. Graph inequalities on number lines
14. Write inequalities from number lines
15. Solve two-step inequalities
16. Graph solutions to two-step inequalities
17. Find a value using two-variable equations
18. Identify the graph of an equation
19. Graph a two-variable equation
20. Find the slope from an equation
21. Find the slope from two points
22. Graph a line using slope
23. Write a linear function
24. Evaluate absolute value
25. Pythagorean Theorem: Find the hypotenuse
26. Pythagorean Theorem: Find missing leg
27. Pythagorean Theorem: Word Problems
28. Calculate Mean, Median, Mode and Range
29. Compound Events: # of Outcomes
30. Probability of Compound Events

IXL Completion Log

Student Name: _____

Every teacher has access to IXL and student completion; however, print this to help your child work at a reasonable pace this summer. Please return it on Book Day.

**** If the Strand Number has changed, use the Strand Name as your guide ****

IXL Strand Number	IXL Strand Name	Completion Date
B5	**Compare and order integers**	
B6	**Integer inequalities with absolute value**	
C9	**Add and subtract integers**	
C17	**Multiply and divide integers**	
C20	**Evaluate numerical expressions involving integers**	
R5	**Evaluate multi-variable expressions**	
R7	**Evaluate non-linear expressions**	
R15	**Add and subtract like terms with exponents**	
R14	**Add, subtract and multiply linear expressions**	
S4	**Write and solve equations that represent diagrams**	
S6	**Solve two-step equations**	
S8	**Solve equations involving like terms**	
T2	**Graph inequalities on number lines**	
T3	**Write inequalities from number lines**	
T6	**Solve two-step inequalities**	
T7	**Graph solutions to two-step inequalities**	
U3	**Find a value using two-variable equations**	
U7	**Identify the graph of an equation**	
U8	**Graph a two-variable equation**	
V4	**Find the slope from an equation**	
V2	**Find the slope from two points**	
V5	**Graph a line using slope**	
V6	**Write a linear function**	

Student Name: _____

R6	**Evaluate absolute value expressions**	
Y1	**Pythagorean Theorem: find hypotenuse**	
Y2	**Pythagorean Theorem: find missing let**	
Y3	**Pythagorean Theorem: word problems**	
CC1	**Calculate mean, median, mode & range**	
DD7	**Compound Events: # of outcomes**	
DD9	**Probability of Compound Events**	

In order for the reporting date to start after June 8th, follow these steps:

- Sign in to IXL using your username and password
- Click on the Analytics tab at the top
- Find Date Range and click on the drop down tab. Change the date range from last 30 days to Custom
- Enter the start date of June 8, 2019
- You are ready to begin!

Helpful Hints:

1. Make sure your child is signed in each time; otherwise, your work will not count!
2. If your child is having difficulty on a strand, read the explanation that follows. You may print out if needed.
3. Use Khan Academy if you need to refresh your memory on a topic!
4. Have fun!