Student Name: _____

Rising Math 8 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 Math 8 students must earn 80 smart points on 25 out of 30 of the IXL strands. The coordinating strands in IXL and the strand names are 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 <u>do at least one more problem</u> to maintain this smart score <u>during this reporting period</u>. 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 nonlinear expressions
8. Add and subtract like terms
9. Integer addition rules
10. Follow directions on a coordinate plane
11. Solve two-step equations
12. Solve proportions
13. Integer subtraction rules
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. Multiply using the distributive property
19. Exponents with negative bases
20. Understanding negative exponents
21. Evaluate numerical expressions w/ exponents
22. Identify equivalent ratios
23. Write an equivalent ratio
24. Write a linear function
25. Evaluate absolute value expressions
26. Round Decimals
27. Identify equivalent linear expressions I
28. Pythagorean Theorem: find the hypotenuse
29. Interpret charts & graphs to find mean, median, mode and range.
30. Identify terms & coefficients

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.

	IXL Strand Name	**Completion Date**
B5	**Compare and order integers**	
B6	**Integer inequalities with absolute value**	
C1	**Integer addition rules**	
C17	**Multiply and divide integers**	
C20	**Evaluate numerical expressions involving integers**	
C4	**Integer subtraction rules**	
C9	**Add and subtract integers**	
CC2	**Interpret charts/graphs to find mean, median, mode and range**	
D4	**Round Decimals**	
I4	**Exponents with negative bases**	
I6	**Understanding negative exponents**	
I9	**Evaluate numerical expressions w/ exponents**	
J11	**Solve proportions**	
J2	**Identify equivalent ratios**	
J3	**Write an equivalent ratio**	
P3	**Follow directions on a coordinate plane**	
R11	**Multiply using the distributive property**	
R14	**Add & Subtract linear expressions**	
R15	**Add and subtract like terms**	
R17	**Identify equivalent linear expressions I**	
R5	**Evaluate multi-variable expressions**	
R7	**Evaluate nonlinear expressions**	
R8	**Identify terms & coefficients**	
S6	**Solve two-step equations**	
T3	**Write inequalities from number lines**	
T6	**Solve two-step inequalities**	

T7	Graph solutions to two-step inequalities	
U3	Find a value using 2-variable equations	
W19	Transversals of parallel lines name angle pairs	
Y1	Pythagorean Theorem: find hypotenuse	

Signing in for the first time on IXL

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. Have fun!