UNION COUNTY
TEAMS
CHARTER SCHOOL

Union County T.E.A.M.S. Charter School and High School/College Leadership Academy
515-517 West 4th Street Plainfield, NJ 07060 908.754.9043 * FAX 908.754.7790

July 2015

SUMMER PACKET LETTER
(Incoming 6th Graders)

Dear Incoming **Sixth Grade** Students and Parents/Guardians,

Happy Summer!!! We trust by now that you are staying cool and enjoying your days off from School. Summer is a great time to relax but it is also a time to read and practice your skills in order to be prepared for the upcoming school year. We have prepared a standards-based Summer Packet with Language Arts and Math activities to support us in decreasing summer learning loss and increase critical thinking.

This Summer Packet is designed to provide 6th grade students with practice for reading comprehension, writing, public speaking and basic math problem solving. **You will have to print the packet out to complete.**

Parents/Guardians may need to offer assistance towards pacing your child for the remainder of July and the month of August with (do **NOT** wait to the last minute):

1. ■Reading the required books
2. ■Completing the reading assignments/activities as per your grade level
3. ■Completing the math assignments as per your grade level

Summer Packets are due on **Monday, September 14, 2015** to your Homeroom Teacher. Your child will receive a grade for the packet.

If you have any questions, please feel free to call the school at 908-754-9043.

Happy Reading, Writing and Problem Solving!!!!

Your Partner in Teaching and Learning,
Brian A. Albanese
Director of Instruction/Principal K-8

REMINDER: FIRST DAY OF SCHOOL IS THURSDAY, SEPTEMBER 3, 2015

UC Teams Charter School
Incoming Grade 6
Summer Reading List 2015

6th Grade

Schooled by Gordon Korman

Wild Things by Clay Charmichael

Name _____

Summer Reading Assignment Incoming Grade 6
Wild Things by Clay Carmichael

Comprehension Questions: For each question be sure to support your answer with evidence (quotes) from the text. Answers need to be elaborate and demonstrate a deeper understanding of the text. Type your responses.

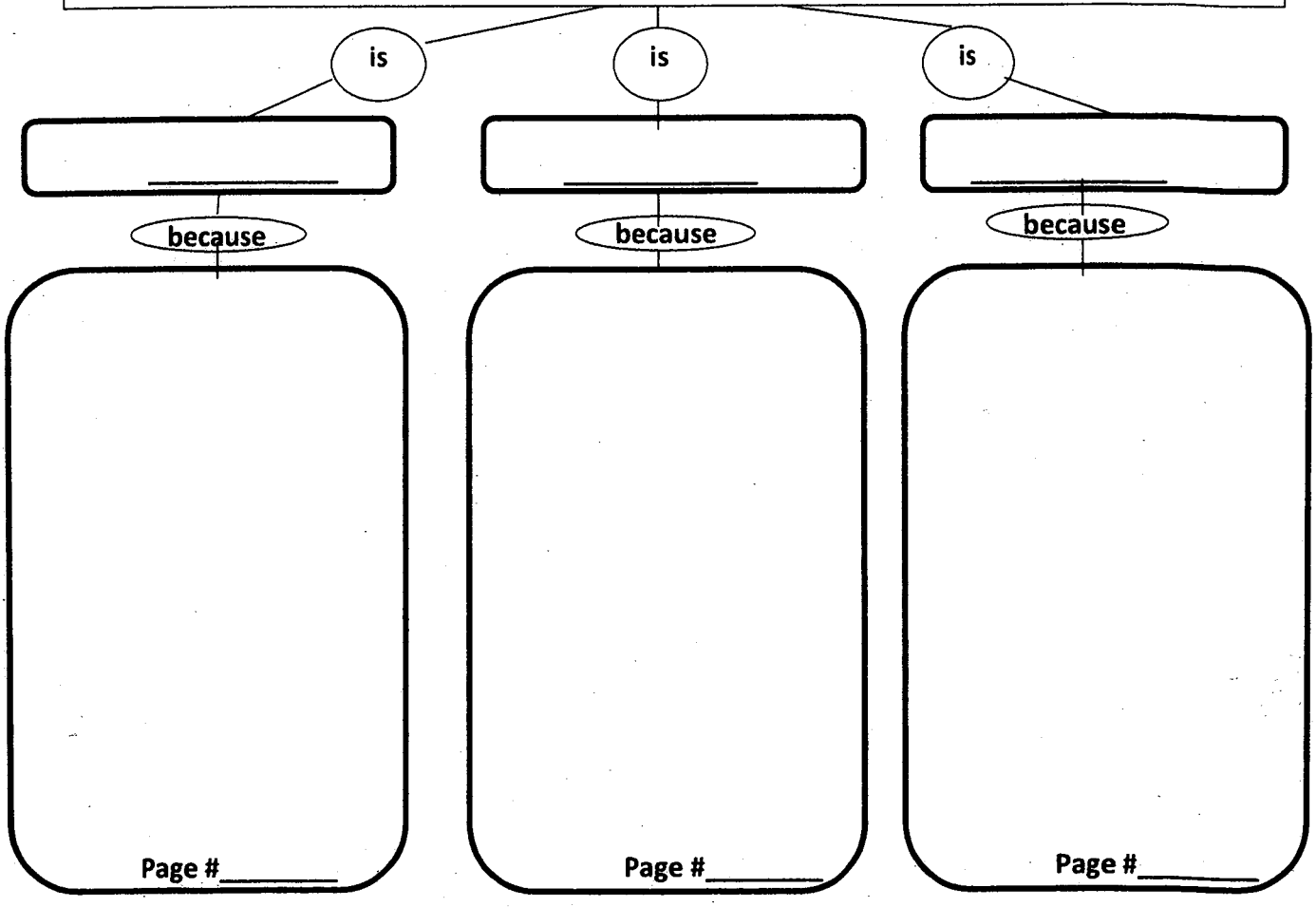
1. **Wild vs. Tame:** What does wildness mean to each of the characters in the book? To you? Can wildness be dangerous, harmful, or lonely? Is tameness better? Why or why not? Can too much tameness hurt people and animals?
2. **Trust:** Zoe and the wild cat have lived hard lives. They find it hard to trust, because no one so far has earned their trust. Is learning to trust important to them? Is trusting important or necessary to you? When do you think Zoe starts to trust Henry? Why does she decide to trust him at that moment? Does her new trust affect anything that happens afterwards?
3. At one point, Zoe thinks, "The minute you talked about something, you risked losing it" (p. 113). Reread that passage. What does this statement mean to you?
4. **Second Chances:** On Thanksgiving, Bessie convinces the group gathered at Henry's house to take in Harlan. Do you think she was right to do this? Does Zoe see Harlan the same way at the end of the story as she saw him at the beginning?
5. If you had to say where Zoe, Henry, and Harlan might be and what they might be doing four or five years after the story ends, where do you think they would be living and what would they be doing?
6. What do you think happens to Wil after the story ends? Do you think he will see Zoe and Henry again?
7. **Family:** What do you think would be Zoe's definition of family? Do families have to be blood related? Is there a family you are born into and another family you can make for yourself?

Project:

8. Change, trust, loyalty, second chances, bravery and family are themes or big ideas in Wild Things. Choose four themes to create a poster. Divide the poster into four quadrants, putting a theme in each. Use pictures and quotes from the text to show how the theme is represented by the author. Be ready to discuss these themes during the first month of school.
9. **Characterization Graph**

Write the name of a character in Wild Things in this box. Then write three traits the characters possesses in the middle three boxes. In the bottom boxes, write examples from the book of the character demonstrating each of the three traits. Your examples should include quotes from the text.

Character _____



Name_____

Summer Reading Assignment Incoming Grade 6
Schooled by Gordon Korman

In three sentences, describe the story's beginning, middle and end.	
What was the biggest problem or conflict in this story?	
How did the conflict or problem get resolved?	
What was your favorite part of the story? Explain why.	
Using specific examples from the reading, describe the leadership traits of one character and how that character expresses those traits.	(Example of leadership traits: Determination, Courage, Strength, Compassion, Honesty, Inspiration, Action, Loyalty, Trust, Humility)
Choose a character from the book who experienced a conflict that arose from dealing with diversity (differences) and explain what he/she learned that help him/her solve this conflict.	(ie. Diversity could include persons from a different country, culture, social group, gender, etc.)
This will be turned in to your Language Arts teacher during the first week of school	

Reflection/Socratic questions for *Schooled*: These will be discussed during the first month of school. Be prepared.

1. Rank these three big ideas/essential messages in order of importance and explain why you chose that ranking.

_____ Individuality

_____ Bullying

_____ Change

2. State other ideas present in *Schooled.*

3. What do you think is the most important line of *Schooled*?

4. What is the most confusing line of *Schooled*?

5. Create a visual representation of the theme of the book. This could be an important place in the story or a new cover that captures the main idea of the book.

Grades 6-7 ~~Math~~

To divide a decimal by a whole number, first place a decimal point in the quotient directly above the decimal point in the dividend. Then divide the same way you divide whole numbers. Sometimes you must write leading zeros after the decimal point in the quotient.

$$9\overline{)40.5} \qquad 37\overline{)1.85}$$

4.5 (36, 45, 45)

0.05 (185)

Divide. Write leading zeros in the quotient if necessary.

5. $13\overline{)79.599}$

6. $22\overline{)12.342}$

7. $63\overline{)0.693}$

8. $52\overline{)10.452}$

Solve.

1. Pak Chuen bought a new snowboard for $210.88. He paid for it in 8 equal payments. How much was each payment?

2. A monthly lift pass at Sneak Peak costs $145.50 and is good for 30 days. If Pak Chuen used it every day for a month, what would be the cost per day?

To divide a decimal by a decimal, follow these steps to form a simplified problem.

1. Move the decimal point to make the divisor a whole number.
2. Move the decimal in the dividend the same number of places. You may need to write a zero in the dividend.
3. Place the decimal point in the quotient and divide. Remember to write leading zeros if necessary.

Step 1	Step 2	Step 3
$0.16\overline{)1.2}$	$16.\overline{)1.20}$	$16.\overline{)120.}$ with quotient 7.5, 112, 80, 80

Divide until there is no remainder. Place zeros where they are needed.

1. $0.4\overline{)3.5}$
2. $0.8\overline{)0.28}$
3. $1.5\overline{)0.6}$
4. $2.4\overline{)5.4}$

Solve.

1. A sailboat traveled 60.15 kilometers up a river in 7.5 hours. What was the average distance per hour?
2. A boat is cruising at a speed of 8.3 kilometers per hour. How long will it take to travel a distance of 8.715 kilometers?

To add mixed numbers, first find equivalent fractions with like denominators. Then add, first the fractions and then the whole numbers. Sometimes you must regroup a sum in order to write it in lowest terms.

$$1\frac{5}{6} = 1\frac{10}{12}$$
$$+\,2\frac{11}{12} = 2\frac{11}{12}$$
$$3\frac{21}{12} = 4\frac{9}{12} = 4\frac{3}{4}$$

Add. Write each sum in lowest terms.

1. $3\frac{3}{5} + 2\frac{1}{10}$

2. $9\frac{1}{4} + 8\frac{1}{6}$

3. $2\frac{2}{16} + 1\frac{7}{8}$

4. $6\frac{2}{3} + 4\frac{7}{12}$

9. $2\frac{2}{12} + 2\frac{7}{18}$

10. $6\frac{5}{9} + 4\frac{1}{2}$

11. $3\frac{7}{10} + 5\frac{1}{4}$

12. $1\frac{3}{24} + 2\frac{3}{16}$

Solve.

1. Bert skied trails that were $2\frac{1}{5}$ miles, $3\frac{3}{10}$ miles, and $5\frac{1}{2}$ miles long. How many miles did he ski in all?

2. Bert skied for $1\frac{3}{4}$ hours Friday night, $5\frac{1}{3}$ hours Saturday, and $3\frac{1}{6}$ hours Sunday afternoon. How many hours did he spend skiing that weekend?

To find a fraction of a whole number or a mixed number, first change the number to a fraction. If both numbers are mixed numbers, change both to fractions.

$\frac{5}{6}$ of $10 = \frac{5}{6} \times \frac{10}{1} = \frac{5 \times \overset{5}{\cancel{10}}}{\underset{3}{\cancel{6}} \times 1} = \frac{25}{3} = 8\frac{1}{3}$ $\quad$ $\frac{2}{3}$ of $2\frac{3}{4} = \frac{2}{3} \times \frac{11}{4} = \frac{\overset{1}{\cancel{2}} \times 11}{3 \times \underset{2}{\cancel{4}}} = \frac{11}{6} = 1\frac{5}{6}$

Multiply. Use the shortcut if possible. Write each product in lowest terms.

7. $\frac{4}{5} \times 60 =$

8. $\frac{4}{5} \times 5\frac{5}{8} =$

9. $7\frac{8}{9} \times 2\frac{2}{5} =$

10. $2\frac{2}{3} \times 7\frac{6}{7} =$

11. $\frac{4}{9} \times 12 =$

12. $4\frac{5}{9} \times 6\frac{3}{10} =$

Solve. Write each answer in lowest terms.

1. Ms. Tran has $\frac{1}{3}$ of a tank of gas in her car. If the tank holds $14\frac{1}{3}$ gallons, about how much gas does she have?

2. The trip to work takes Ms. Tran $\frac{7}{12}$ of an hour. If she makes this trip 10 times a week, how much time does she spend commuting?

To divide mixed numbers, first change them to fractions. Then divide by multiplying by the reciprocal of the divisor.

$3\frac{1}{2} \div 1\frac{3}{4} = \frac{7}{2} \div \frac{7}{4} = \frac{\overset{1}{\cancel{7}}}{\underset{1}{\cancel{2}}} \times \frac{\overset{2}{\cancel{4}}}{\underset{1}{\cancel{7}}} = 2$

$1\frac{3}{5} \div 2\frac{2}{3} = \frac{8}{5} \div \frac{8}{3} = \frac{\overset{1}{\cancel{8}}}{5} \times \frac{3}{\underset{1}{\cancel{8}}} = \frac{3}{5}$

Divide. Write each answer in lowest terms.

7. $2\frac{4}{5} \div 1\frac{3}{4} =$

8. $5 \div 1\frac{7}{8} =$

9. $2\frac{4}{9} \div 2\frac{3}{4} =$

10. $3\frac{3}{8} \div 12 =$

11. $4\frac{1}{6} \div 1\frac{1}{4} =$

12. $6\frac{2}{5} \div 2\frac{4}{5} =$

Solve. Write each answer in lowest terms.

1. The Wing family has a tailor shop. Mrs. Wing spent $2\frac{3}{4}$ hours replacing broken zippers today. If it takes her $\frac{1}{4}$ hour to do one, how many zippers did she replace?

2. Mr. Wing has 36 yards of wool fabric. A sports jacket takes $1\frac{4}{5}$ yards to make. How many jackets could Mr. Wing make with the fabric?

A one-step equation contains one operation. To solve it, use the **inverse operation** on both sides of the equation.

$x + 2 = 9$	$y - 15 = 45$	$2x = 6$	$\frac{y}{4} = 2.5$
Subtract 2 from each side.	Add 15 to each side.	Divide each side by 2.	Multiply each side by 4.
$x + 2 = 9$ $-2 \quad -2$ $x = 7$	$y - 15 = 45$ $+15 \quad +15$ $y = 60$	$\frac{2x}{2} = \frac{6}{2}$ $x = 3$	$\frac{y}{4} \cdot 4 = 2.5 \cdot 4$ $y = 10$

Solve each equation.

1. $x + 15 = 31$
2. $y - 2 = 7$
3. $6m = 90$
7. $6.75 + b = 7.5$
8. $\frac{n}{12} = 10$
9. $r + 21 = 24$

Write an equation for each problem and solve.

1. The sum of a and 35 is 100. What is a?
2. The product of x and 4 is 100. What is x?

A two-step equation contains two operations. To solve it, use the **inverse operations** on both sides of the equation.

$\frac{x}{2} - 9 = 15$

First add 9 to each side.

$\frac{x}{2} - 9 + 9 = 15 + 9$

$\frac{x}{2} = 24$

Multiply each side by 2.

$\frac{x}{2} \cdot 2 = 24 \cdot 2$

$x = 48$

$6y + 15 = 69$

First subtract 15 from each side.

$6y + 15 - 15 = 69 - 15$

$6y = 54$

Divide each side by 6.

$\frac{6y}{6} = \frac{54}{6}$

$y = 9$

Solve.

1. $8x - 15 = 17$
2. $\frac{y}{3} + 10 = 25$
3. $2w + 6 = 16$

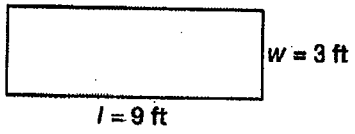
The area *(A)* of a polygon is the number of square units (n^2) it takes to cover it.

To find the area of a rectangle, multiply the length times the width.

$A = lw$

$A = 9 \cdot 3$

$A = 27 \text{ ft}^2$

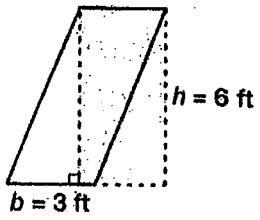


To find the area of a parallelogram, multiply the base times the height. The height is the altitude, or distance between the bases.

$A = bh$

$A = 3 \cdot 6$

$A = 18 \text{ ft}^2$



Solve each problem.

1. A rectangular dance floor is 30 feet wide and 70 feet long. What is the area of the dance floor?

2. A parking lot is a parallelogram with a base of 600 yards and a height of 200 yards. What is its area?

3. Logan County is a square. It has a side that is 15.4 miles long. What is its area?

4. A desk is 30 inches wide and 54 inches long. What is the area of the desktop?

5. A kitchen countertop is a parallelogram with a base of 80 inches and a height of 42 inches. What is the area of the countertop?

6. A square ceramic tile has an area of 20.25 square inches. How long is one side?