## 5th Grade Summer Packet

May 31, 2019

Dear Incoming 5th Grade Students and Families,

Welcome to a wonderfully exciting year in 5th Grade! This year you will read many exciting novels and learn the structure of English. Also, you will have the opportunity to participate in hands-on science experiments, Lego Engineering and Lego Robotics, learn about atoms and compounds, raise Steelhead in the classroom while learning about the Russian River Watershed, and participate in fun and exciting field trips that support environmental education. You will also learn about the history of the United States including the Native Americans, European Explorers, the life of Colonial Americans, and the Revolutionary War. Fifth Grade will undoubtedly be a memorable year!

Students are highly encouraged to read a minimum of 20 minutes a day. There is scientific evidence that shows reading at least a minimum of 20 minutes a day will expand comprehension of any written text immensely. In 5th Grade, we move away from at home book reports, to reading assigned in class novels that allow for enriching discussion, expansion of comprehension, and above all to learn how to develop a love for reading and knowledge within an academic setting.

During the summer, students are required to read two out of the five novels:

The City of Ember by Jeanne DuPrau

The Sign of the Beaver by Elizabeth George Speare

A Wrinkle in Time by Madeleine L'Engle One Crazy Summer by Rita Williams-Garcia

The One and Only Ivan by Katherine Applegate Out of My Mind by Sharon M. Draper

In addition to reading the novels, students will choose their favorite out of the six and respond to the list of literature questions, and a review for the other chosen novel. The response to literature and the review of the novel will be due on the first day of school.

The public library is a free resource available to all and visiting the library is an experience all children should have. This also allows students access to a wide variety of books throughout the summer and school year.

Students have worked very hard this past year, and in order to not lose any of the skills they gained in math, we are also asking students to **complete a math review packet** of basic computation facts, as well as the daily five-minute practice of multiplication and division facts.

In addition to reading, writing, and math practice, we are asking students to <u>practice the</u> <u>attached cursive packet</u>. All 5th grade is expected to fluently read and write in cursive on all language arts assignments during the 3rd trimester of the 5th Grade year. Throughout the year, there will be daily practice that will ensure all students succeed in reading and writing cursive.

We look forward to seeing you in August!

The 5th Grade Team

## **Summer Reading and Writing**

### Literature Response Journal Questions

#### Directions

1. Read the two of the five assigned novels over the summer

The City of Ember by Jeanne DuPrau

The Sign of the Beaver by Elizabeth George Speare

A Wrinkle in Time by Madeleine L'Engle

One Crazy Summer by Rita Williams-Garcia

The One and Only Ivan by Katherine Applegate

Out of My Mind by Sharon M. Draper

- 2. Choose your favorite <u>one out of the two</u>, and answer the Literature Response journal questions as you read the novel.
- 3. Please be sure to answer the questions in complete sentences with proper spelling, grammar, and punctuation.
- 4. In addition to the Literature Response Questions, please write a **review for the other novel you read**. We have included a "Review Template" for you to use.

#### Reading Tips

- Read at least 20 minutes a day
   (Remember that you can read anywhere anytime for the most part.
   Choose a spot and sit down, read, and relax.)
- If you need some extra help, google the book and chapter you are reading and listen to the audio while you read along. This really helps with comprehension.
- 3. Talk to your parent about what you are reading. Maybe they can read the novel with you.
- 4. While reading, picture the characters, setting, time period, etc.
- 5. Meet with friends and discuss the novel you are reading. You might get some information you might have missed through peer discussion.

Name:
Date:
Novel Review
Directions: After you read the novel, write a recommendation to a friend.
Title:
Author:
Would you recommend this book to a friend? Why or why not?



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Trace the letters. Write the letters. Trace the words. Write the words.

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George !	king	ago	get	
Harry	bush	ahi .	help :	

Trace the letters. Write the letters. Trace the words. Write the words.

Harry	bush	ahi	help	
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Trace the letters. Write the letters, Trace the words. Write the words.



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Ken	
1001	Lisa

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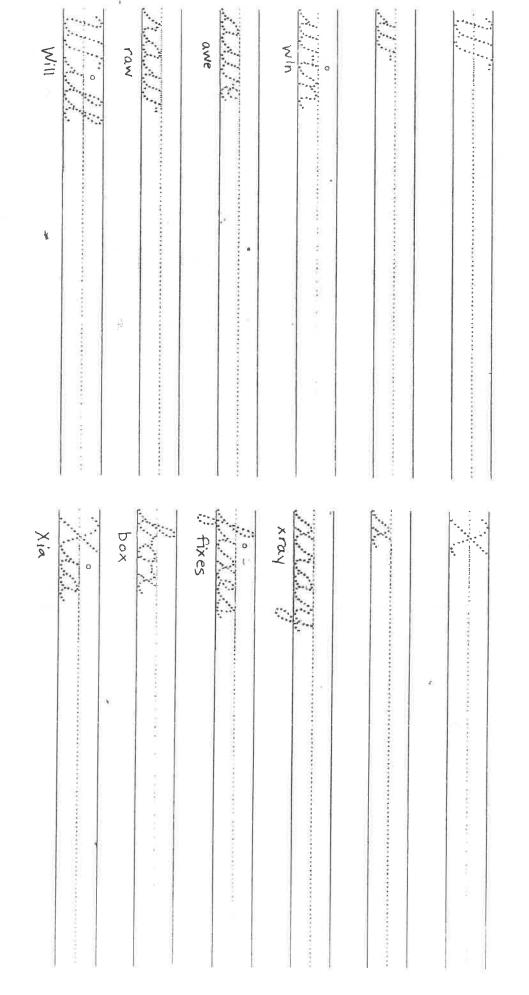
Trace the letters. Write the letters. Trace the words. Write the words.



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Tom	but	ate	top /	

Trace the letters. Write the letters: Trace the words. Write the words.

## Wins



# Summer Packet Math Review

Name:	
Name:	_

## Multiplication/Division Progress

There is a noticeable difference in the success of mathematics in 5th-grade students that have automaticity with their multiplication/division facts and those that don't.

Please, have your student practice their multiplication/division facts for 5 min a day.

\*\* A child is considered fluent in solving a math problem if they can give the correct answer in 3 seconds or less. \*\*

Date	Min Practice	Number Correct
	-	

Date	Min Practice	Number Correct
	- IVIIII F FOLGUE	
4		

1	2	3
x2	x 2	x 2
4	5	6
x 2	x 2	x 2
7	8	9
x 2	x 2	x 2

1	2	3
x3	x3	x 3
4	5	6
x3	x3	x 3
7	8	9
x3	x3	x 3

1	2	3
x4	x 4	x 4
4	5	6
x 4	x4	x4
7	8	9
x4	<u>x4</u>	x 4

1	2	3
x 5	x 5	x 5
4	5	6
x 5	x 5	x 5
7	8	9
x 5	x 5	x 5

1	2	3
x6	x 6	x 6
4	5	6
x6	x 6	x 6
7	8	9
x6	x 6	x 6

1	2	3
x 7	x 7	x 7
4	5	6
x 7	x 7	x 7
7	8	9
x 7	x 7	x 7

1	2	3
x 8	x 8	x 8
4	5	6
x 8	x 8	x 8
7	8	9
x 8	x 8	x 8

1	2	3
x 9	x 9	x 9
4	5	6
x 9	x 9	x 9
7	8	9
x 9	x 9	x 9

1	2	3
x10	x10	x10
4	5	6
x10	x10	x10
7	8	9
x10	x10	x10

1	2	3
x11	x11	x11
4	5	6
x11	x11	<u>x11</u>
7	8	9
x11	x11	x11

1	2	3
x12	x12	x12
4	5	6
x12	x12	x12
7	8	9
x12	x12	x12

## Multiplying by Positive Powers of Ten (A) Single-Digit Facts

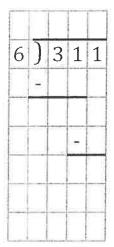
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8	X	10,000	=		9 x 10,000	=
						100
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3	Χ	100	=		6 x 100	=
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3	X	10,000	=		6 x 10,000	=
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		W.				
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1	Χ	10	=		39 x 10	=
1	Χ	100	=		39 x 100	=
1	Х	1,000	=		39 x 1,000	=
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					Challenge	

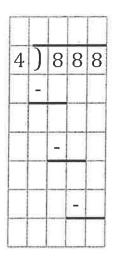
Free Math Worksheets at http://www.math-drills.com

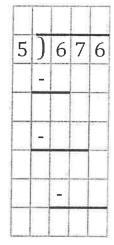
## Long Division with a Grid (A)

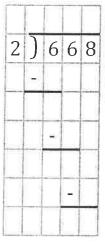
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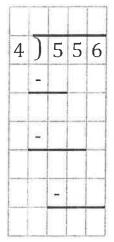
Calculate each quotient.











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5	)	1	5	1
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1				

## Equivalent Fractions (A)

Instructions: Find the missing numbers in the equivalent fractions below.

$$\frac{2}{20} = \frac{8}{20}$$

$$\frac{5}{7} = \frac{15}{3}$$

$$\frac{4}{8} = \frac{4}{32}$$

$$\frac{4}{12} = \frac{12}{12}$$

$$\frac{8}{10} = \frac{32}{10}$$

$$\frac{3}{10} = \frac{12}{}$$

$$\frac{1}{-} = \frac{2}{18}$$

$$\frac{2}{4} = \frac{2}{8}$$

$$\frac{1}{8} = \frac{4}{8}$$

$$\frac{4}{-} = \frac{16}{24}$$

$$\frac{\phantom{0}}{10} = \frac{20}{40}$$

$$\frac{5}{6} = \frac{20}{}$$

$$\frac{1}{4} = \frac{1}{8}$$

$$\frac{5}{8}$$
 =  $\frac{15}{7}$  =  $\frac{1}{7}$  =  $\frac{9}{9}$  =

$$\frac{1}{7} = \frac{1}{21}$$

$$\frac{12}{9} = \frac{12}{27}$$

$$\frac{1}{24} = \frac{4}{24}$$

$$\frac{1}{3} = \frac{5}{-}$$

$$\frac{3}{7} = \frac{12}{8}$$

$$\frac{3}{3} = \frac{3}{9}$$

$$\frac{7}{12} = \frac{1}{60}$$

$$\frac{1}{5} = \frac{2}{3}$$

$$\frac{2}{q} = \frac{8}{q}$$

$$\frac{2}{4} = \frac{10}{4}$$

## Adding Fractions (A)

Name:

Date:

Add each pair of fractions and simplify if necessary.

$$1. \left( \frac{7}{13} + \frac{4}{13} \right)$$

2. 
$$\frac{7}{22} + \frac{14}{22}$$

3. 
$$\frac{17}{21} + \frac{3}{21}$$

$$4 \frac{1}{17} + \frac{13}{17}$$

$$5. \frac{5}{8} + \frac{2}{8}$$

6. 
$$\frac{2}{24} + \frac{3}{24}$$

$$\frac{6}{12} + \frac{2}{12}$$

8. 
$$\frac{9}{20} + \frac{3}{20}$$

9. 
$$\frac{11}{14} + \frac{1}{14}$$

10. 
$$\frac{13}{16} + \frac{2}{16}$$

$$\frac{11}{19} + \frac{7}{19}$$

12. 
$$\frac{1}{10} + \frac{7}{10}$$

13. 
$$\frac{7}{11} + \frac{1}{11}$$

14. 
$$\frac{1}{6} + \frac{3}{6}$$

15. 
$$\frac{4}{23} + \frac{1}{23}$$

16. 
$$\frac{9}{15} + \frac{3}{15}$$

17. 
$$\frac{1}{3} + \frac{1}{3}$$

18. 
$$\frac{4}{7} + \frac{2}{7}$$

19. 
$$\frac{3}{9} + \frac{5}{9}$$

$$20, \ \frac{1}{4} + \frac{2}{4}$$

#### Equivalent Fractions (A) Answers

Instructions Find the missing numbers in the equivalent fractions below.

= 
$$\frac{8}{20}$$

$$\frac{5}{7} = \frac{15}{21}$$

$$\frac{1}{8} = \frac{4}{32}$$

$$\frac{4}{12} = \frac{12}{36}$$

$$=\frac{32}{40}$$

$$\frac{3}{10} = \frac{12}{400}$$

$$\frac{3}{10} = \frac{12}{402} \qquad \frac{1}{49} = \frac{2}{18}$$

$$\frac{1}{4} = \frac{2}{8}$$

$$=\frac{4}{8}$$

$$\frac{4}{6} = \frac{16}{24}$$

$$\frac{4}{6} = \frac{16}{24} \qquad \frac{5}{10} = \frac{20}{40} \qquad \frac{5}{6} = \frac{20}{24}$$

$$4 \times \qquad 4 \times$$

$$\frac{5}{6} = \frac{20}{24}$$

$$=\frac{2}{8}$$

$$\frac{5}{8} = \frac{15}{24}$$

$$\frac{1}{7} = \frac{3}{21} \qquad \frac{4}{9} = \frac{12}{27}$$
3 \* 3 \*

$$\frac{4}{9} = \frac{12}{27}$$

$$3 \times$$

$$= \frac{4}{24}$$

$$\frac{1}{3} = \frac{5}{16}$$

$$\frac{1}{3} = \frac{5}{16} \qquad \frac{3}{7} = \frac{12}{28}$$

$$\frac{1}{3} = \frac{3}{9}$$

$$3 \times$$

$$=\frac{35}{60}$$

$$\frac{1}{5} = \frac{2}{10}$$

$$\frac{2}{9} = \frac{8}{36}$$

$$\frac{2}{4} = \frac{10}{20}$$

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## Adding Fractions (A) Answers

Add each pair of fractions and simplify if necessary.

$$\frac{7}{13} + \frac{4}{13} = \frac{11}{13}$$

$$\sqrt{\frac{7}{22} + \frac{14}{22}} = \frac{21}{22}$$

$$3. \ \frac{17}{21} + \frac{3}{21} = \frac{20}{21}$$

$$\frac{1}{17} + \frac{13}{17} = \frac{14}{17}$$

$$\frac{5}{8} + \frac{2}{8} = \frac{7}{8}$$

$$\frac{2}{24} + \frac{3}{24} = \frac{5}{24}$$

$$_{7_1}\frac{6}{12} + \frac{2}{12} = \frac{8}{12} = \frac{2}{3}$$

$$r_1 \frac{6}{12} + \frac{2}{12} = \frac{8}{12} = \frac{2}{3}$$
  $r_2 \frac{9}{20} + \frac{3}{20} = \frac{12}{20} = \frac{3}{5}$ 

$$\frac{11}{14} + \frac{1}{14} = \frac{12}{14} = \frac{6}{7}$$

$$= \frac{13}{16} + \frac{2}{16} = \frac{15}{16}$$

$$\frac{11}{19} + \frac{7}{19} = \frac{18}{19}$$

$$\frac{1}{10} + \frac{7}{10} = \frac{8}{10} = \frac{4}{5}$$

$$13. \ \frac{-7}{11} + \frac{1}{11} = \frac{8}{11}$$

$$\frac{1}{6} + \frac{3}{6} = \frac{4}{6} = \frac{2}{3}$$

$$_{15},\frac{4}{23}+\frac{1}{23}=\frac{5}{23}$$

$$\frac{9}{15} + \frac{3}{15} = \frac{12}{15} = \frac{4}{5}$$

$$\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$$

$$\frac{4}{7} + \frac{2}{7} = \frac{6}{7}$$

$$\frac{3}{9} + \frac{5}{9} = \frac{8}{9}$$

$$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$$

Converting Fractions (A) Answers

Convert each improper fraction to a mixed fraction.

$$\frac{2}{9} = 3\frac{5}{9}$$

$$\frac{67}{12} = 5\frac{7}{12}$$

$$\frac{116}{15} = 7\frac{11}{15}$$

$$\frac{34}{15} = 2\frac{4}{15}$$

$$\frac{25}{12} = 2\frac{1}{12}$$

$$\frac{41}{6} = 6\frac{5}{6}$$

$$\frac{53}{7} = 7\frac{4}{7}$$

$$\frac{25}{4} = 6\frac{1}{4}$$

$$\frac{127}{15} = 8\frac{7}{15}$$

$$\frac{21}{8} = 2\frac{5}{8}$$

$$\frac{15}{4} = 3\frac{3}{4}$$

$$\frac{33}{10} = 3\frac{3}{10}$$

$$\frac{25}{9} = 2\frac{7}{9}$$
  $\frac{38}{7} = 5\frac{3}{7}$ 

$$\frac{30}{7} = 5$$

$$\frac{99}{10} = 9\frac{9}{10}$$

$$\frac{44}{5} = 8\frac{4}{5}$$

$$\frac{53}{15} = 3\frac{8}{15}$$
  $\frac{41}{8} = 5\frac{1}{8}$ 

$$\frac{41}{8} = 5\frac{1}{8}$$

$$\frac{64}{9} = 7\frac{1}{9}$$

$$\frac{57}{10} - 5\frac{7}{10}$$

$$\frac{16}{7} = 2\frac{2}{7}$$

$$\frac{56}{9} = 6\frac{2}{9}$$

$$\frac{21}{10} = 2\frac{1}{10}$$

$$\frac{67}{8} = 8\frac{3}{8}$$

$$\frac{12}{2} = 1^{\frac{5}{2}}$$

$$\frac{12}{7} = 1\frac{5}{7} \qquad \qquad \frac{83}{12} = 6\frac{11}{12}$$

$$\frac{36}{7} = 5\frac{1}{7}$$

$$\frac{19}{6} = 3\frac{1}{6}$$

$$\frac{13}{2} = 6\frac{1}{2} \qquad \qquad \frac{22}{3} = 7\frac{1}{3}$$

$$\frac{22}{3} = 7\frac{1}{3}$$

$$\frac{23}{5} = 4\frac{3}{5}$$

$$\frac{20}{7} = 2\frac{6}{7}$$

$$\frac{76}{15} = 5\frac{1}{15}$$

$$\frac{85}{9} = 9\frac{4}{9}$$

$$\frac{9}{80} = 8\frac{9}{8}$$

$$\frac{41}{12} = 3\frac{5}{12}$$

$$\frac{6}{5} = 1$$

$$\frac{6}{5} = 1\frac{1}{5}$$
  $\frac{107}{15} = 7\frac{2}{15}$ 

$$\frac{63}{8} = 7\frac{7}{8}$$

$$\frac{37}{5} = 7\frac{2}{5}$$

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Order of Operations (A)

Name:

Date:

Solve each expression using the correct order of operations.

$$2 \times 6^{\frac{1}{2}}$$
$$= 2 \times 36$$
$$= 72$$

$$2 + 3 \times 8$$
$$= 2 + 24$$

$$= 2 + 24$$

$$10 - 3^{2}$$
 $= 10 - 9$ 

$$3 + 2 \times 6$$
$$= 3 - 12$$

$$3 + 9^2$$

$$= 3 \div 81$$

$$\frac{(9-5)\times 4}{=4\times 4}$$

$$9 + 7 \times 5$$
$$= 9 \div 35$$

$$= 9 \div 35$$
$$= 44$$

$$10 + 3^3$$

$$= 10 + 27$$

$$= 37$$

## Suggested 5th Grade Materials

To be brought to school on first day:

- Backpack
- 1 inch-ish binder (plain, try to avoid the fancy ones as they won't fit in the desk)
- Section Dividers (we suggest the plastic "Insertable 2 Pocket" dividers 5 or 8)
- Wireless USB mouse (Optional)
- Pencil box that fits:
  - About five #2 pencils
  - Additional eraser or cap erasers (not a toy)
  - o 2 dry erase markers for regular whiteboard use (thin ones, ULTRA thin are even
  - o Ballpoint Pens: Black, Blue, plus one different color for corrections
  - Highlighters: ( minimum 3 colors)
  - Colored pencils
  - Skinny markers
  - o Scissors

We will be reading the following books as a class this year and suggest purchasing them ahead of time:

- Charlotte Doyle by Avi (1st trimester)
- Blood on the River by Elisa Carbone (2nd trimester)
- Woods Runner by Gary Paulsen (2nd trimester)

All supplies must be school appropriate. Please do not bring scented markers, bendy/twirly/fluffy, pencil grips, personal/handheld pencil sharpeners, or buildable toy erasers. Permanent markers (Sharpies) are not allowed at school.

To be stored at home for projects or homework throughout the year: pencils

- paper- binder, graph, and white (or copy paper)
- dictionary
- ruler, scissors
- drawing/coloring supplies
- 3-5 packs of flashcards, 3x5 lined (to be used for vocabulary homework)

#### **Class Material Wish List**

Class websites will generally include a "wish list" for items that are needed for projects or regular classroom use. If you are able to donate any of the following items for the start of the school year, they would be greatly appreciated. Having these supplies on hand makes preparing for celebrations or projects more convenient.

- ★ Small paper plates/Small plastic/paper cups
- ★ Roll of paper towels
- ★ Gallon-size freezer bags and sandwich-size bags
- ★ Kleenex/tissue

Extra Supplies we are always thankful for:

- index cards (3x5 lined)
- glue sticks
- cap erasers

- dry erase markers
  pencils
  post-its
  color markers
- stickers

- color markers

<sup>\*</sup>all above items should fit inside pencil box