Dear Incoming 5th Graders,

Welcome to Fifth Grade!

In preparation for fifth grade you are expected to read during the summer to keep your skills sharp!

This summer, please read *The Sign of the Beaver* by Elizabeth George Speare. After reading, complete two activities from the six on the given choice board. You have the option of completing character trading cards, diary entries, postcards, a persuasive letter, and more. Be creative! Be prepared to turn in your summer assignment on the first day of school.

Your Math summer assignment is also important. It will be completed on the assigned worksheets. Write (compute) all your answers on the worksheets. **All math must be done in pencil! All work must be shown to receive credit.** The work must be brought to school on the first day. When school begins in September, we will spend time learning new mathematical concepts that build on what you already learned in the fourth grade. Fact fluency is essential in fifth grade and helps learning new concepts easier. Please spend time practicing your multiplication and division facts daily.

Enjoy your summer, enjoy reading, and we are looking forward to seeing you in a couple months!

Sincerely,
Grade 5 Teachers

5th Grade Supply List
Please label ALL supplies

1 - package of loose leaf paper
3 - one subject spiral notebooks for ELA
4 - 200 page marble notebooks
6 - two pocket plastic folders (assorted colors)
3 - packages of Index Cards
3 - large glue sticks
1 - pair of scissors
1 - box of 24 crayons
1 - boxes of colored pencils (12 pack)
1 - pack of markers
2 - highlighters
1 - pack of colored pens (not blue or black)
1 - black permanent marker
2 - flair pens or ultra thin sharpie (black)
3 - boxes of Sharpened Ticonderoga pencils
Pencil case
2 - pencil sharpeners for pencil case
5 - boxes of tissues
1 - roll of paper towels
1 - container of Clorox Disinfecting wipes
1- box Gallon Ziploc Bags
1 - ream of computer paper
1 - ream of construction paper
1 - copy of *Esperanza Rising*, written by Pam Munoz Ryan
Earbuds or headphones
4 Function Calculator
Rosary Beads

Spanish
1 pack of 3x5 lined index cards
Spanish/English Dictionary (ex. LaRousse or other company)
1 - 200 page marble notebook
****KEEP SPANISH NOTEBOOK FROM THIS YEAR TO USE****

Art
1 - 8 x 11 Sketchbook

Summer Reading Assignment
Read The Sign of the Beaver by Elizabeth George Speare

Select **TWO** of the following activities. Complete the selected activity as instructed in the boxes below.

Letter Writing **1.** You decide not to wait for your family to return, and you **accept Attean's and Saknis's offer** to join the Beaver Tribe. Leave a letter from Matt's point of view at the cabin explaining all the **reasons why** you decided to join the Beaver Tribe and anything else you want to tell your family if they find your letter (at least 1 page, cursive).	**Character Items** **2.** Matt has been invited back to the **Beaver Tribe village to stay overnight** and needs to fill his overnight bag with at least 10 **important** (and character-appropriate) **items**. Write a brief explanation **WHY** he packed each item. The next week, Matt invites Attean to **stay overnight at his cabin** and so Attean needs to fill his overnight bag with at least 10 **important** (and character-appropriate) **items** and write a brief explanation **WHY** he packed each item. Complete on looseleaf.
Persuasive Letter **3.** Write a persuasive letter from Attean's point of view. Try to **convince Matt** using good reasoning WHY he should come with you and your tribe and not stay at the cabin over the winter. Write at least 1 page in cursive.	**Postcard** **4.** Either write a postcard to Matt from Attean, or to Attean from Matt after the end of the book. Ask each other at least 10 **worthwhile** (and character-appropriate) **questions**, as well as **describe** what is going on in your lives now. **Illustrate** the front of your postcard with scenery from your location.
Trading Cards **5.** Design trading cards of character from The Sign of the Beaver. On the front, draw a **picture of the character** and write their name. On the back, provide a **description** of their personality, appearance, plus some fun facts such as their favorite food, special	**Diary Entries** **6. Write at least 2 diary entries** and **no more than 4 entries from the point of view of one of the characters.** Write (at least 1 page total, cursive) diary entries about important events that happened to this character. Make sure to really pay

skills, fears, pet peeves, most embarrassing moment, or other appropriate ideas.	attention in your writing to the character's voice!

Additional Summer Reading book suggestions:

The Last Kids on Earth series	Max Brallier
Frindle	Andrew Clements
James and the Giant Peach	Roald Dahl
How to Eat Fried Worms	Sid Fleishman
Shiloh	Phyllis Reynolds Naylor
House of Robots	James Patterson
Big Nate series	Lincoln Pierce
Mr. Popper's Penguins	Richard Atwater
Whereis the Great Wall?	Patricia Demuth
The 39 Clues series	various
Because of Winn Dixie	Kate DiCamillo
Amelia Earhart: Young Aviator	Beatrice Gormley
Chance: Escape from the Holocaust	Uri Shulevitz
The One and Only Bob	Katherine Applegate
We Dream of Space	Erin Entrada Kelly

Our fourth graders had a busy year learning new math skills. Mastery of all these skills is extremely important in order to develop a solid math foundation. The 5th grade math program will add and build on these fourth grade skills. Any time spent reinforcing these concepts will be very beneficial for your child. Each year builds upon the previous year's skills in math. Student mastery of the basic math skills is as important to success in future mathematical procedures and reasoning as learning the alphabet is to reading and writing.

You must complete all the problems in the packet. All work can be done within the boxes. If there is not enough room, please complete it on a sheet of looseleaf and attach it to the packet. Please copy the original problem down onto the looseleaf and write the number next to the work. Do not save this all for the last minute. Complete a little each week so as to not feel overwhelmed the last days of summer. This packet will be due on the first day of school and will count towards your first report card.

****Practicing multiplication and division facts (up to 12) is VERY important. Students need to know all their multiplication and division facts to have a productive and successful 5th grade math experience.****

Have a great summer and see you in September!

5th Grade Math Packet

Name:_____

Adding Whole Numbers

1. Write the problem vertically, lining up the numbers to the right.
2. Add the ones digits of the numbers. If the sum is 10 or more, carry the tens digit and write the ones digit in the answer.
3. Repeat with the tens digits. Be sure to add in any carried digits, too!
4. Continue working right to left until there are no more digits to add.

ex: 5,938 + 746

$$\begin{array}{r} {\scriptstyle 1\ \ 1} \\ 5938 \\ +\ \ 746 \\ \hline 6684 \end{array}$$

→ 6,684

Subtracting Whole Numbers

1. Write the problem vertically, lining up the numbers to the right.
2. Subtract the ones digits of the numbers. If the top digit is less than the bottom digit, borrow. (Cross out the digit next to it and decrease it by one. Add 10 to the ones digit.) Then subtract the bottom digit from the new top one.
3. Repeat with the tens digits of the numbers.
4. Continue working right to left until there are no more digits to subtract.

ex: 458 - 268

$$\begin{array}{r} {\scriptstyle 3\ 15} \\ 4\not{5}8 \\ -\ 268 \\ \hline 190 \end{array}$$

→ 190

Rounding Whole Numbers

___	___	___	.	___	___	___
hundred-thousands	ten-thousands	thousands		hundreds	tens	ones

1. Keep all digits to the left of the place you are rounding the same.
2. If the digit to the right of the rounding digit is less than 5, keep the rounding digit the same. If it's 5 or greater, increase the rounding digit by 1.
3. Change all places to the right of the digit you are rounding to 0.

ex: round 34,647 to the nearest hundred

The 6 is in the hundreds place.

Keep the 34 the same.

After the 6 is a 4, which is less than 5, so the 6 stays the same and the numbers after it turn to zeroes.

→ 34,600

Find each sum or difference.

1. 89 + 74	2. 627 + 913	3. 723 + 11
4. 2,354 + 3,728	5. 1,925 + 89	6. 7,627 + 836
7. 53 – 31	8. 682 – 426	9. 844 – 79
10. 2,365 – 1,299	11. 3,014 – 45	12. 5,200 – 845

Round the number 245,382 to the nearest given place value.

13. hundred	14. ten-thousand	15. thousand	16. ten

Multiplying by 1-Digit Numbers

1. Write the problem vertically, with the greater number on top. Be sure to line up the numbers to the right.
2. Multiply the bottom number by the ones digit of the top number. Write down the ones digit of that answer and carry the tens digit.
3. Multiply the bottom number by the tens digit of the top number. If you carried a digit from the first product, be sure to add it to you your new product. Write down the ones digit of the answer and carry the tens digit.
4. Repeat with any remaining digits of the top number, working right to left.

ex: 892 x 6

$$\begin{array}{r} {\scriptstyle 5\ 1} \\ 892 \\ \times\ \ 6 \\ \hline 5352 \end{array}$$

→ 5,352

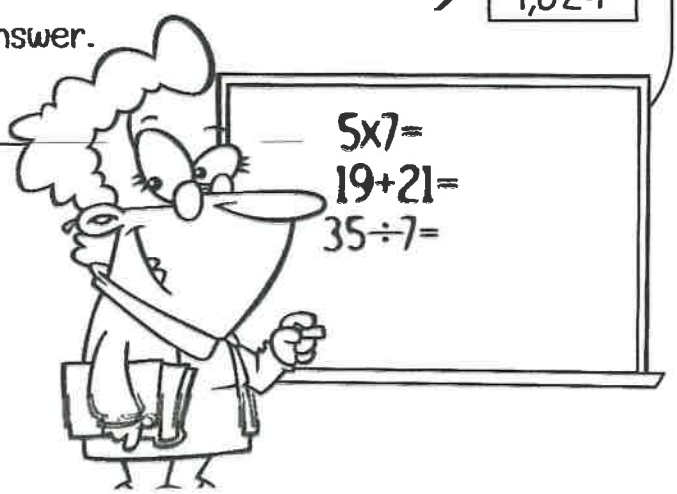
Multiplying Two 2-Digit Numbers

1. Write the problem vertically. Be sure to line up the numbers to the right.
2. Multiply the ones digit of the bottom number by each digit of the top number, right to left, (as explained in the multiplying by 1-digit numbers section above).
3. Bring down a zero.
4. Multiply the tens digit of the bottom number by each digit of the top number, right to left, (as explained in the multiplying by 1-digit numbers section above).
5. Add the two products together to get your final answer.

ex: 76 x 24

$$\begin{array}{r} {\scriptstyle 2} \\ 76 \\ \times\ 24 \\ \hline 304 \\ +\ 1520 \\ \hline 1824 \end{array}$$

→ 1,824



Find each product.

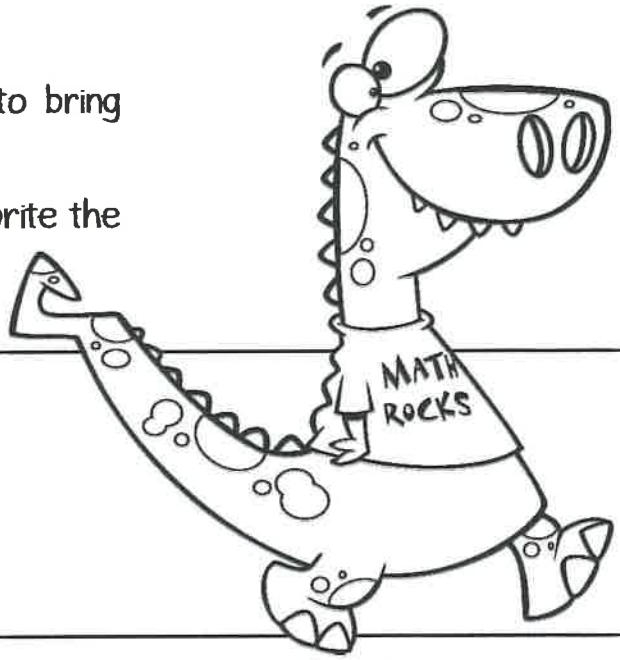
17. 24 x 7	18. 96 x 3	19. 57 x 2
20. 845 x 5	21. 910 x 8	22. 341 x 6
23. 1,387 x 4	24. 8,452 x 9	25. 5,023 x 8
26. 34 x 21	27. 84 x 13	28. 95 x 64
29. 32 x 20	30. 67 x 89	31. 72 x 44

Dividing with 1-Digit Divisors

1. Write out the long division problem with the first number (dividend) underneath the division symbol and the second number (divisor) to the left of the division symbol.
2. Divide the divisor into the smallest part of the dividend it can go into and write the number of times it can go in on top of the division symbol.
3. Multiply the number on top by the divisor and write the product under the number you divided into in step 2.
4. Subtract your product from the number above it.
5. Bring down the next digit of the dividend.
6. Repeat steps 2-5 until there is nothing left to bring down.
7. If your last subtraction answer is not zero, write the remainder on top.

ex: $6,413 \div 9$

$$
\begin{array}{r}
712\ R5 \\
9\overline{)6413} \\
-63 \\
\hline
11 \\
-9 \\
\hline
23 \\
-18 \\
\hline
5
\end{array}
$$



Checking Division Answers Using Multiplication

1. Multiply your quotient (not including the remainder) by the divisor.
2. Add your remainder to the product you get.
3. Make sure the answer you get is the same number as the dividend in the original problem.

ex: $6,413 \div 9 = 712\ R\ 5$

$$
\begin{array}{r}
{\scriptstyle 1\ 1} \\
712 \\
\times\ \ 9 \\
\hline
6408
\end{array}
\qquad
\begin{array}{r}
{\scriptstyle 1} \\
6408 \\
+\ \ \ 5 \\
\hline
6413
\end{array}
$$

Find each quotient.

32. $95 \div 6$	33. $58 \div 2$	34. $86 \div 3$
35. $232 \div 4$	36. $512 \div 7$	37. $203 \div 8$
38. $625 \div 5$	39. $442 \div 9$	40. $102 \div 3$
41. $2{,}304 \div 6$	42. $1{,}832 \div 7$	43. $9{,}203 \div 8$

Simplifying Fractions

1. Divide the numerator and denominator by a common factor.

2. Repeat until the only common factor of the numerator and denominator is 1.

ex: simplify $\frac{10}{12}$

you can divide both 10 and 12 by 2

$$\frac{10}{12} \begin{matrix} \div 2 \\ = \\ \div 2 \end{matrix} \boxed{\frac{5}{6}}$$

the only number you can divide both 5 and 6 by is 1, so you are done!

Simplify each fraction.

$\frac{9}{12}$	$\frac{6}{8}$	$\frac{6}{15}$	$\frac{4}{8}$
$\frac{8}{24}$	$\frac{3}{12}$	$\frac{2}{10}$	$\frac{10}{30}$

Adding and Subtracting Fractions with Common Denominators

Add and subtract the fractions below. Show all work and write answers in simplest form. Change improper fractions into mixed numbers if necessary.

1. $\frac{9}{9} - \frac{2}{9}$

2. $\frac{7}{8} + \frac{4}{8}$

3. $\frac{11}{10} - \frac{3}{10}$

4. $\frac{8}{2} - \frac{4}{2}$

5. $\frac{5}{13} + \frac{7}{13}$

6. $\frac{5}{5} - \frac{4}{5}$

7. $\frac{3}{8} + \frac{4}{8}$

8. $\frac{5}{14} - \frac{2}{14}$

Multiplying Fractions

Solve the fractions below. Show all work and all answers must be simplified. Change improper into mixed numbers if needed.

1. $3 \times \frac{1}{4}$

2. $\frac{3}{6} \times 8$

3. $5 \times \frac{2}{3}$

4. $\frac{9}{10} \times \frac{1}{7}$

5. $\frac{1}{8} \times \frac{3}{4}$

6. $2 \times \frac{1}{2}$

7. $\frac{3}{9} \times \frac{2}{4}$

8. $5 \times \frac{1}{5}$