ELIZABETH PUBLIC SCHOOLS

Every Child, Achieving Excellence

Olga Hugelmeyer
Superintendent of Schools

Jenny Reguinho
Principal

Dear Parents/Guardians,

Fourth grade is a big year for students at Terence C. Reilly. Traditionally, the transition to fourth grade requires students to adapt to a more rigorous schedule, switching classes for all subject areas, and engaging in an accelerated math program. They will have different teachers with varying expectations. Please help your child(ren) with organization and time-management as they are crucial skills for our learners. Together, as parents and teachers, the incoming fourth graders will have a solid support system at home and at school.

We look forward to the 2024-2025 school year!

Sincerely,

The Fourth Grade Team

Terence C. Reilly School No. 7

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Summer Assignments-This is not optional! Must be completed!

Dear Students, Parents & Guardians:

We hope the summer months provide some special family time and rest as we prepare for 4th grade at Terence C. Reilly Gifted and Talented School No. 7! To better prepare each student for the upcoming school year students should have good organizational skills, be prepare with needed supplies, and check PowerSchool weekly, this will contribute to a smooth transition into fourth grade. Your 4th grade teachers anticipate an exciting year filled with new adventures and fantastic learning experiences. Let's work together to make sure your child gets everything he or she needs to be successful in the 2019-2020 school year!

It is imperative for your child to prepare themselves for the upcoming school year. To have a successful school year in the 4th grade it is a necessity for your child to complete the following:

LAL

Dear Incoming 4th Graders,

We look forward to an exciting year, full of wonderful new experiences!

As your Summer Reading Assignment, you will be required to create a **Book Talk Presentation.**

Here are the requirements:

- ✓ Select any (grade level appropriate) book of your choice.
- ✓ Read the book.
- ✓ Prepare your Book Talk Presentation (see attached sheet for details and grading rubric)
- ✓ Be ready to present your Book Talk during the first week of school.

Bring the book with you for the presentation

Note: **This assignment will count as the first test grade for English/Language Arts. Do your best and start off the year right**!

Sincerely,
Mrs. McHugh & Mrs. Calisto
4th Grade English/Language Arts Teachers

Math:

Incoming 4th graders **must** know the basic multiplication and division facts 1 – 12 as well as how to add, subtract, multiply and divide whole numbers.

- Students should practice their multiplication facts by taking timed test of 50 Facts in 3 minutes (See the attached 50 Facts Test pages)

In September for the first marking period, we begin with the study of Place Value at the 5th grade level.

- Enclosed are worksheets to review place value skills students will need to draw from to be successful.

***Students will be given a diagnostic test on the strategies for addition, subtraction, multiplication, and division during the first full week of school during math class.**

Book Talk Template

My name is: _____

And the title of my book is: _____

The author (& or) illustrator is _____

This book is about...

My favorite part of the book is.....

My favorite character is.....

I like this book because.....

I would recommend this book to.....

Name _____

Intervention Lesson **F9**

Place Value Through Thousands

Answer 1 to 9.

1. Write 243,798 in the place-value chart below.

hundred thousands	ten thousands	thousands	hundreds	tens	ones

2. What place is the 2 in? _____
So its value is 200,000.

3. What place is the 4 in? _____ What is its value? _____

4. What place is the 3 in? _____ What is its value? _____

5. What place is the 7 in? _____ What is its value? _____

6. What place is the 9 in? _____ What is its value? _____

7. What place is the 8 in? _____ What is its value? _____

8. What is the expanded form of 243,798?

   200,000 + _____ + _____ + _____ + _____ + 8.

9. Write 243,798 in words.

   _____ thousand,

   _____

10. What is the value of the 5 in 350,937? _____

11. What is the expanded form of 350,937?

    _____ + _____ + _____ + _____ + _____

Name _____

Intervention Lesson **F9**

Place Value Through Thousands (continued)

Write the value of the underlined digit.

12. 50<u>7</u>,691 _____

13. <u>9</u>25,481 _____

14. <u>7</u>2,065 _____

15. 118,<u>9</u>41 _____

16. 657,10<u>4</u> _____

17. 298,1<u>6</u>3 _____

18. 30<u>1</u>,215 _____

19. 4<u>0</u>0,900 _____

Write each number in expanded form.

20. 12,817

_____

21. 680,127

_____

Write each number in words.

22. 36,812

_____

23. 572,165

_____

24. Write the next three numbers in the pattern.

295,000; 294,000; 293,000; _____; _____; _____

25. **Reasoning** What number would make the number sentence 519,082 = ■ + 10,000 + 9,000 + 80 + 2 true? _____

26. An Internet website had 545,300 visitors in one day. If it has 100,000 additional visitors the next day, how many visitors did the website have over the 2-day period? _____

Name _____

Intervention Lesson **F11**

Comparing and Ordering Numbers Through Thousands

In a recent county election, Henderson received 168,356 votes. Juarez received 168,297 votes. Determine who received more votes by answering 1 to 7.

1. Write 168,356 and 168,297 in the place-value chart.

hundred thousands	ten thousands	thousands	hundreds	tens	ones

For Exercises 2–5, write <, >, or =.

2. Start with the left column in the chart. 100,000 _____ 100,000

3. Since the hundred thousands are equal, compare the ten thousands. 60,000 _____ 60,000

4. Since the ten thousands are equal, compare the thousands. 8,000 _____ 8,000

5. Since the thousands are equal, compare the hundreds. 300 _____ 200

6. Since 300 > 200, compare 168,356 and 168,297.

   _____ > _____

7. So, which candidate received more votes? _____

Order 346,217; 319,304; and 348,862 from least to greatest by answering 8 to 12.

8. Write 346,217; 319,304; and 348,862 in the place-value chart on the next page.

Name _____

Intervention Lesson F11

Comparing and Ordering Numbers Through Thousands (continued)

hundred thousands	ten thousands	thousands	hundreds	tens	ones

9. Start on the left. Write <, >, or =. 300,000 _____ 300,000 _____ 300,000

10. Since the hundred thousands are all equal, compare the ten thousands. Since 10,000 < 40,000, what is the least number? _____

11. Since 6,000 _____ 8,000, compare the thousands place of the other two numbers. _____ < _____

12. The numbers in order from least to greatest are:

_____ _____ _____

Use < or > to compare each pair of numbers.

13. 8,112 _____ 8,221

14. 418,412 _____ 481,930

15. 321,159 _____ 312,147

16. 20,657 _____ 21,687

17. 118,111 _____ 118,147

18. 914,146 _____ 904,168

Order the numbers from least to greatest.

19. 8,200; 820; 7,980

_____

20. 12,984; 12,875; 11,987

_____

21. 200; 12,945; 2,309

_____

22. 321,984; 345,879; 323,490

_____

23. **Reasoning** When comparing 17,834 and 17,934, can you start by comparing hundreds? Explain.

Name _____

Intervention Lesson **F12**

Place Value Through Millions

1. Write 462,397,158 in the place-value chart below.

Millions			Thousands			Ones		
Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

2. Complete the table to find the value of each digit in 462,397,158.

Digit	Place	Value
4	hundred millions	400,000,000
6	ten millions	
2		
3		
9		
7		
1		
5		
8		

3. Use the table above to help you write 462,397,158 in expanded form.

   400,000,000 + _____ + _____ + _____ +

   90,000 + _____ + 100 + _____ + _____.

4. Write the short word form of 462,397,158.

   462 million, _____ thousand, _____

5. Write 462,397,158 in word form.

Name _____

Intervention Lesson **F12**

Place Value Through Millions (continued)

Write the value of the underlined digit.

6. 4,5<u>6</u>2,398 _____

7. 1<u>5</u>,347,025 _____

8. 37,81<u>4</u>,956 _____

7. <u>5</u>26,878,953 _____

10. 782,354,0<u>6</u>5 _____

11. 9<u>1</u>8,403,760 _____

Write each number in word form and in short word form.

12. 2,160,500

13. 91,207,040

14. 510,200,450

15. An underground rail system in Osaka, Japan carries 988,600,000 passengers per year. Write this number in expanded form.

_____

16. **Reasoning** What number would make the number sentence below true?

3,589,000 = 3,000,000 + ■ + 80,000 + 9,000 _____

17. **Reasoning** What number can be added to 999,990 to make 1,000,000? _____

Name _____

Intervention Lesson **F13**

Rounding Numbers Through Millions

Round 4,307,891 to the nearest million by answering 1 to 5.

1. What digit is in the millions place? _____
2. What digit is to the right of the 4? _____
3. Is the digit to the right of 4 less than 5, or is it 5 or greater? _____

If the digit to the right of the number is 5 or more, the number rounds up. If the digit is less than 5, the number rounds down.

4. Do you need to round up or down? _____
5. Keep the 4 and change the other digits to 0s. What is 4,307,891 rounded to the nearest million? _____

Round 6,570,928 to the nearest hundred thousand by answering 6 to 11.

6. Which digit is in the hundred thousands place? _____
7. What digit is to the right of the 5? _____
8. Is the digit to the right of 5 less than 5, or is it 5 or greater? _____
9. Do you need to round up or down? _____
10. Change the 5 to the next highest digit and change the other digits to 0s. What is 6,570,928 rounded to the nearest hundred thousand? _____
11. What is 6,570,928 rounded to the nearest thousand? _____

Name _____

Intervention Lesson **F13**

Rounding Numbers Through Millions (continued)

Round 1,581,267 to each place.

12. ten _____ **13.** hundred _____

14. thousand _____ **15.** ten thousand _____

16. hundred thousand _____ **17.** million _____

Round each number to the nearest ten.

18. 3,194,764 _____ **19.** 8,967,001 _____

Round each number to the nearest hundred.

20. 1,265,906 _____ **21.** 6,906,294 _____

Round each number to the nearest thousand.

22. 8,070,126 _____ **23.** 9,264,431 _____

Round each number to the nearest ten thousand.

24. 7,514,637 _____ **25.** 2,437,894 _____

Round each number to the nearest hundred thousand.

26. 1,395,384 _____ **27.** 3,992,460 _____

Round each number to the nearest million.

28. 4,578,952 _____ **29.** 5,022,121 _____

30. 2,439,019 _____ **31.** 8,888,888 _____

32. **Reasoning** A number rounded to the nearest million is 4,000,000. One less than the same number rounds to 3,000,000 when rounded to the nearest million. What is the number?

Name _____

Intervention
Lesson **F14**

Comparing and Ordering Numbers Through Millions

Compare 45,872,723, and 45,891,827 by answering 1 to 4.

1. Write the numbers so the digits are lined up.

   ____ ____, ____ ____ ____, ____ ____ ____

   ____ ____, ____ ____ ____, ____ ____ ____

2. Starting on the left, in the ten millions place, compare the digits in each place. In what place do the digits become different? _____

3. Compare the ten thousands. 90,000 ____ 70,000

4. Write >, <, or =. 45,891,872 ____ 45,872,723.

Order these numbers from least to greatest by answering 5 to 10.

734,876,934 72,859,277 73,884,900 7,119,020

5. Write the numbers so the digits are lined up by answering 5 to 10.

   ____ ____ ____, ____ ____ ____, ____ ____ ____

   ____ ____ ____, ____ ____ ____, ____ ____ ____

   ____ ____ ____, ____ ____ ____, ____ ____ ____

   ____ ____ ____, ____ ____ ____, ____ ____ ____

If a number has fewer digits than all the others, it is the least.

6. Which number is the least? _____

If a number has more digits than all the others, it is the greatest.

7. Which number is the greatest? _____

Name _____

Intervention Lesson **F14**

Comparing and Ordering Numbers Through Millions (continued)

8. The other two numbers have the same number of digits. Since both have a 7 in the ten millions place, compare the millions. 2,000,000 _____ 3,000,000

9. Write >, <, or =. 72,859,277 _____ 73,884,900.

10. Write the numbers in order from least to greatest.

_____ _____ _____ _____

Write >, <, or = in each blank.

11. 1,689,000 _____ 1,679,000

12. 43,914,500 _____ 43,925,000

13. 62,441,300 _____ 62,329,500

14. 518,495,000 _____ 517,954,000

15. 45 million _____ 42 million

16. 17 million _____ 7 million

Order the numbers from greatest to least.

17. 96,500; 8,400,509; 8,946,000; 81,000,900

_____

18. 746,589,415; 497,956,881; 749,300,000; 719,995,800

_____

19. Which of these four countries has the smallest area?
Brazil, 3,286,472 square miles;
Canada, 3,851,788 square miles;
China, 3,704,426 square miles;
U.S., 3,617,827 square miles _____

20. **Reasoning** How can you quickly tell that 87,243,572 is less than 870,243,572?

Name _____

Intervention
Lesson **F17**

Exponents and Place Value

1. Complete the table.

Exponential Expression	Expanded Form	Standard Form
10^0	none	1
10^1	10	10
10^2	10×10	
10^3		
10^4		
10^5		
10^6		

2. **Reasoning** Compare the exponents to the number of zeros in each number when written in standard form. What do you notice?

3. Write 7,245,000 in expanded form with exponents by filling in the blanks.

   7,245,000

   $= 7{,}000{,}000$ + _____ + _____ + _____

   $= (7 \times 1{,}000{,}000)$ + _____ + _____ + _____

   $= (7 \times 10^6)$ + _____ + _____ + _____

4. Write 4,507,298 in expanded form three ways.

   4,000,000 +

   $(4 \times 1{,}000{,}000)$ +

   (4×10^6) +

Name _____

Intervention Lesson F17

Exponents and Place Value (continued)

Write each number in expanded form three ways.

5. 65,784

6. 3,170,245

7. 725,418

8. A library has eight million, two hundred twenty-three thousand, twelve books. Write this number in expanded form using exponents.

9. **Reasoning** How can you tell what exponent to use with the 6 when writing 2,682,943 in expanded form with exponents?

Name _____ Date _____

6 × 5	9 × 4	11 × 0	5 × 10	3 × 0	1 × 3	9 × 11	3 × 5
5 × 11	6 × 4	10 × 5	6 × 0	9 × 9	12 × 8	7 × 9	9 × 3
10 × 9	9 × 1	6 × 1	11 × 4	7 × 4	11 × 3	6 × 11	1 × 1
4 × 11	0 × 12	7 × 5	7 × 12	0 × 1	4 × 8	9 × 7	5 × 0
9 × 12	8 × 10	12 × 1	4 × 0	0 × 5	6 × 12	8 × 9	7 × 0
5 × 1	11 × 2	6 × 6	3 × 1	4 × 6	5 × 4	1 × 2	1 × 7
10 × 2	1 × 9						

Name _____ Date _____

11 × 12	6 × 11	2 × 10	1 × 7	8 × 7	8 × 11	7 × 0	11 × 6
6 × 3	1 × 12	8 × 4	12 × 10	8 × 2	12 × 11	4 × 6	1 × 6
5 × 10	12 × 3	3 × 0	6 × 1	9 × 4	2 × 7	8 × 3	12 × 12
4 × 5	5 × 0	6 × 12	3 × 1	3 × 10	1 × 0	12 × 9	11 × 9

12 × 5 = _____	10 × 0 = _____	7 × 4 = _____
6 × 7 = _____	11 × 4 = _____	12 × 1 = _____
4 × 4 = _____	2 × 12 = _____	7 × 9 = _____
2 × 9 = _____	10 × 8 = _____	3 × 4 = _____
12 × 0 = _____	0 × 5 = _____	7 × 7 = _____
9 × 12 = _____	3 × 5 = _____	2 × 8 = _____

Name _____ Date _____

12 × 12 = _____	0 × 1 = _____	11 × 11 = _____	3 × 3 = _____
5 × 12 = _____	4 × 4 = _____	9 × 8 = _____	6 × 11 = _____
5 × 5 = _____	1 × 9 = _____	10 × 12 = _____	0 × 0 = _____
5 × 7 = _____	12 × 6 = _____	7 × 11 = _____	11 × 8 = _____
1 × 1 = _____	5 × 11 = _____	0 × 6 = _____	4 × 1 = _____
6 × 4 = _____	0 × 10 = _____	11 × 4 = _____	6 × 2 = _____
4 × 5 = _____	0 × 2 = _____	11 × 9 = _____	10 × 8 = _____
10 × 2 = _____	9 × 5 = _____	0 × 5 = _____	11 × 3 = _____
10 × 3 = _____	7 × 10 = _____	3 × 7 = _____	10 × 9 = _____
1 × 7 = _____	9 × 4 = _____	3 × 2 = _____	12 × 3 = _____
7 × 0 = _____	7 × 2 = _____	1 × 12 = _____	7 × 6 = _____
2 × 8 = _____	2 × 2 = _____	6 × 9 = _____	2 × 5 = _____
2 × 9 = _____	12 × 4 = _____		