



elmwood franklin school

Thinking beyond.

June 2018

Dear Upper School Parents,

Enclosed you will find materials our teachers have compiled to help reinforce the work your child has accomplished this school year and prevent a decline in skill development over summer.

The math review work for students is required and should be completed and returned to your child's math teacher on the first day of school. Specific instructions for completing the work are enclosed.

For our summer reading and writing program, all Upper School students are expected to read a minimum of three books and complete the assigned writing. One of the books is required and is enclosed in this folder. Students must also complete the reading log listing the titles and authors of the free choice books read. Both students and parents need to sign this form. The reading log and written assignments are due the first day of school and will be reviewed as part of the English I curriculum.

For a list of books suggestions and summer reading resources, visit **efslibrary.org**. Please note, these are just suggestions; students may choose to read books not on this list.

Thank you for a great school year and have an enjoyable summer.

Sincerely,

Annie LoTempio
Head of Upper School

TO: Seventh Grade Students
FROM: Ms. Vincent
RE: Summer English Assignments

I am looking forward to working with each of you next year. Have a fun and relaxing summer. See you in September.

1. Your required reading book is Fever 1793 by Laurie Halse Anderson.

We will be using this book in both English and history class.

Fever 1793 is historical fiction. As you read the story, **make a list of any person, place, or thing that you think is historically accurate. (example: Yellow fever, Blanchard's yellow balloon, etc.) YOU DO NOT NEED TO DO RESEARCH TO CONFIRM THAT THESE THINGS ARE ACCURATE.**

•Please bring the book and the list on the first day of school.

2. Select and read two additional books (feel free to read more). Please decide which free choice book you would like to use for a project once school begins.

3. Select one of your free choice books from your book log. Please write a **paragraph summary** of the book. Begin your summary with the title, author, and the reason you selected this book to read. **Your summary must be typed, size 12, Times font, double spaced.**

Elmwood Franklin School

Seventh Grade Summer Reading Log

Please read three titles including Fever 1793.

Title	Author
1. _____	
2. _____	
3. <u>Fever</u>	<u>Laurie Halse Anderson</u>

My child has completed the books listed.

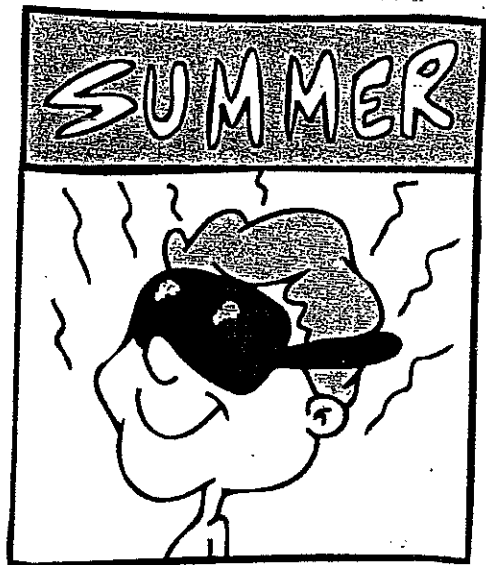
Signature: _____
(Parent or Guardian)

I have completed the books listed.

Signature: _____
(Student)

Summer Math Packet

Entering Seventh Grade



PLEASE SHOW ALL OF YOUR WORK.

What is the prime factorization of 120?

What is the greatest common factor of 32 and 36?

What is the least common multiple of 9 and 15?

Write 0.03 as a percent.

Write 42% as a fraction in lowest terms.

$$12 + 6 \cdot 8 - 5^2$$

What is the square root of 81?

Evaluate when $x = 3$ and $y = 6$: $9x - 3y$

$$6^5 =$$

Two angles of a triangle measure 34° and 64° . Find the measure of the third angle. Classify the triangle in 2 ways.

Find the sum: $7\frac{2}{3} + 5\frac{1}{4}$

Find the sum of -5 and -7.

If the perimeter of a square is 36", what is the area of the square?

Find the product of -6 and -4.

Three times the distance from the mall to the bank is 15 miles. Write this as an algebraic equation.

Find the following difference. $-7 - -4$.

Write $\frac{3}{8}$ as a decimal.

Find the quotient. $4\frac{1}{5} \div \frac{2}{7}$

Subtract: $3\frac{7}{8} - 1\frac{1}{4}$ and simplify.

A number is tripled and then 3 is subtracted from the result. The final answer is 21. What is the number?

Evaluate when $x = 5$ and $w = -2$

$xw - x + w$

Carrie's parents are on time 5 out of 12 times. What percent of the time are they NOT on time? If necessary, round your answer to the nearest hundredth.

The perimeter of an equilateral triangle is 27 inches. What is the length of each side?

Find the product of $3\frac{2}{5}$ and $1\frac{2}{3}$.

What is the complement of 42° ?

What is the supplement of 54°

$$5^3 \cdot 2^2 \cdot 6^3 =$$

$$6(3.6 + 4.4) - 6$$

If Sally paid \$12.96 for 8 yards of material, how much was it per yard?

If you can read 32 pages in 10 minutes how long should it take you to read 80 pages?

Judy has softball practice every 3 days. She has dance every 4 days. If Judy has both softball and dance today, after how many days will Judy have both softball and dance again?

$$5 + 6 \times 8 - \{-4\}$$

Solve the following equations for x.

$$5x + 11 = -14$$

$$9x - 7 = 56$$

$$4 - 4x = 44$$

$$10x + 15 = 65$$

Old Navy can check out 128 people in one hour. How many people can check out in 4 hours if the speed remains constant?

Find the percent of change. Round to the nearest whole percent if necessary. State whether the percent of change is an *increase* or *decrease*.

Original: 30

New: 72

An umbrella that originally sells for \$12.00 is on sale for \$8.00. Find the percent of change on the item.

9 is what percent of 30?

54 is 25% of what number?

Matt earned an 85% of his test. If there were 25 questions on the test how many did he do correctly?

The chart below shows the prices of packs of water. Which size costs the least per bottle.

Sizes	Price
6 pack	\$3.79
9 pack	\$4.50
12 pack	\$6.89

EFS has 320 students. Of the 320 students, 240 are male. Write the ratio of males to females as a fraction in simplest form.

Find the simple interest earned on \$7,200.00 at a rate of 7% for 3 years.

Permutation or Combination?

How many different 5 digit pin numbers can be created using the numbers: 1, 2, 3, 4 and 5 if no number is repeated?

Permutation or Combination?

There are 15 students on the EFS soccer team, how many different ways can Ms. Bund pick eleven of them to start the game?

Permutation or Combination?

There are 12 swimmers in a swim meet. How many different ways can the swimmers win first, second and third place?

An angle has a measure of 45° . What is the supplement of this angle?

An angle has a measure of 67° . What is the complement of this angle.

Find the SURFACE AREA and VOLUME of a rectangular prism whose length is 7 cm, width is 5 cm and height is 9 cm.

Using the given set of numbers: 24 36 24 35 41 44

Find the following: A. mean B. median C. mode

Then make a line plot using the set of numbers.

A \$499 ipad is on sale at 20% off. What is the sale price? How much is the total if there is 9% sales tax?

Find the area of a circle with a radius of 8 inches.

Find the area of a triangle with a height of 14 inches and a base of 18 inches.

Using the word "summer", if one letter is chosen randomly, what is the probability it will be a vowel?

Simplify. (PEMDAS)

$$13 - 5 + 8 \cdot 6$$

$$4 \cdot 3 + 6^2 \div 2$$

$$5^2 - 15 \div 5 + 9$$

$$7^2 + 3(4 \cdot 3) - 10$$

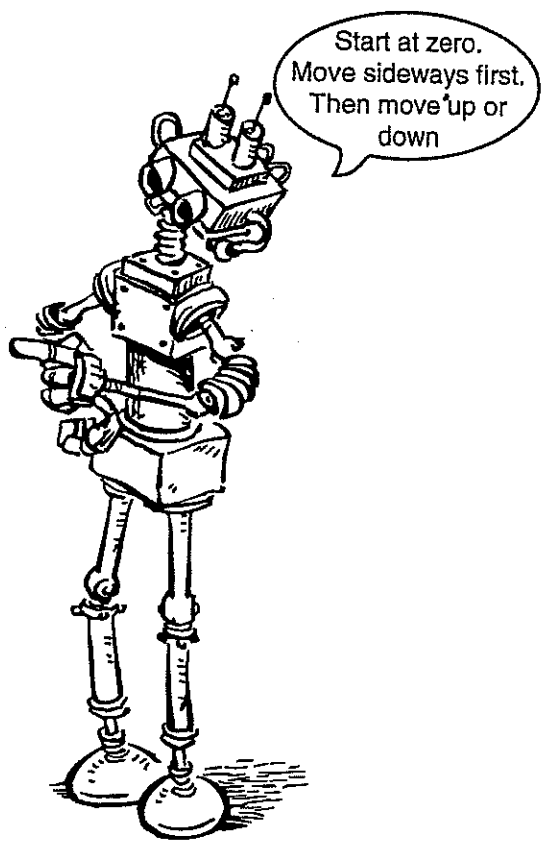
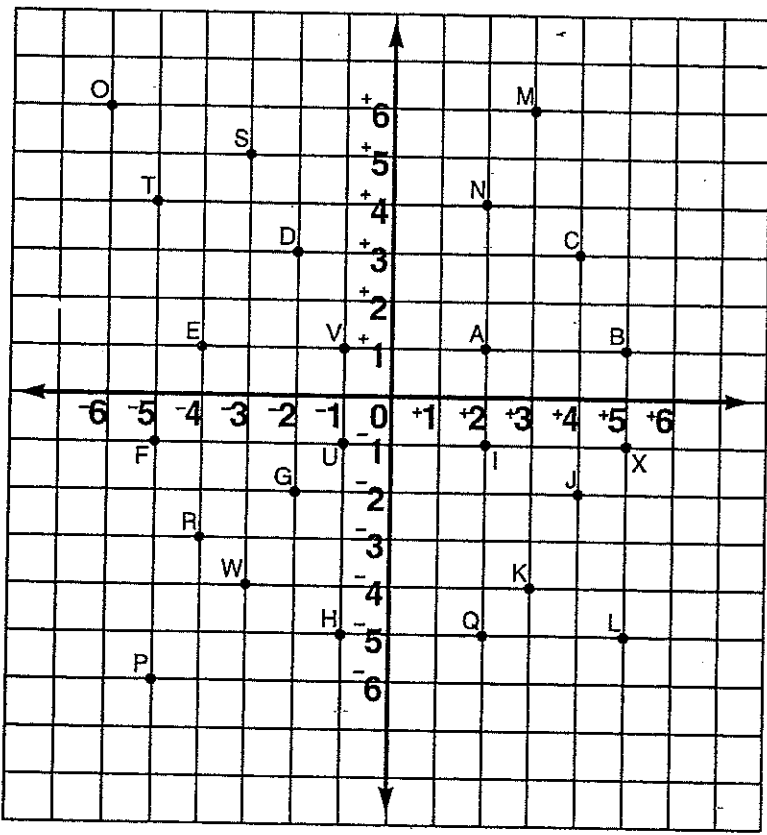
$$3^3 + 5(4 \cdot 8) - 10$$

$$(4 \cdot 7) + 5(8 \div 4)$$

$$12 - 5 + 7 \cdot 3 - 2^2$$

$$49 - 3^2 + 5(4 \cdot 2) - 49$$

Four Quadrants and Two Signs



Write the ordered pair to describe the location of each point.

- | | | | |
|-----------|-----------|-----------|-----------|
| A = _____ | B = _____ | C = _____ | D = _____ |
| E = _____ | F = _____ | G = _____ | H = _____ |
| I = _____ | J = _____ | K = _____ | L = _____ |
| M = _____ | N = _____ | O = _____ | P = _____ |
| Q = _____ | R = _____ | S = _____ | T = _____ |
| U = _____ | V = _____ | W = _____ | X = _____ |

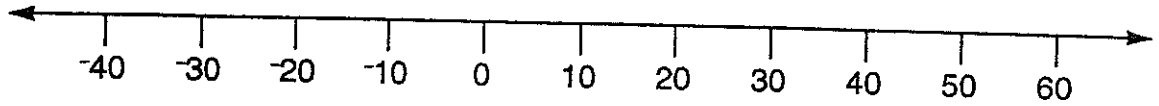
Draw a ★ at (+3, +2), a ▲ at (-3, +2), and a ☺ at (+3, -2).

Name _____

Use the number line to help you.



Up and Down the Line



Add or subtract.

A. $+12 + +8 =$ _____

$-10 + -6 =$ _____

$+15 - +5 =$ _____

B. $-22 - +9 =$ _____

$-15 + +12 =$ _____

$-13 + +7 =$ _____

C. $+2 - -17 =$ _____

$-5 + +2 =$ _____

$-7 - -9 =$ _____

D. $+12 - +19 =$ _____

$+3 + -12 =$ _____

$-17 + -12 =$ _____

E. $+21 + -13 =$ _____

$+16 - -12 =$ _____

$+14 + -28 =$ _____

F. $+19 - -3 =$ _____

$-26 - -16 =$ _____

$-12 - +6 =$ _____

G. $+20 + -7 =$ _____

$-14 - -7 =$ _____

$-15 + -4 =$ _____

H. $+25 - -6 =$ _____

$-31 - +6 =$ _____

$+21 + -5 =$ _____

I. $+16 + -14 =$ _____

$+12 + +9 =$ _____

$+12 + -9 =$ _____

J. $-12 - -9 =$ _____

$+12 - +13 =$ _____

$-11 + +8 =$ _____

K. $-9 + +15 =$ _____

$+6 - +8 =$ _____

$-15 - -15 =$ _____

Student Name: _____

Score: _____

Multiplication of Integers

$(-5) \times (+2) =$	$(+2) \times (-7) =$	$(-6) \times (-6) =$
$(+3) \times (+6) =$	$(-4) \times (-3) =$	$(+8) \times (+2) =$
$(-1) \times (-4) =$	$(+6) \times (-2) =$	$(-2) \times (-1) =$
$(+9) \times (-7) =$	$(-9) \times (+6) =$	$(+7) \times (-4) =$
$(-2) \times (+2) =$	$(+4) \times (+8) =$	$(-9) \times (+5) =$
$(-8) \times (-4) =$	$(+1) \times (-7) =$	$(+7) \times (+6) =$
$(+3) \times (-5) =$	$(-5) \times (-5) =$	$(+2) \times (-9) =$
$(+1) \times (+6) =$	$(+4) \times (-1) =$	$(-8) \times (-3) =$
$(-5) \times (-2) =$	$(-8) \times (-6) =$	$(-7) \times (+7) =$
$(-6) \times (+7) =$	$(+3) \times (-2) =$	$(+5) \times (-8) =$

Student Name: _____

Score: _____

Division of Integers

$(-5) \div (+5) =$	$(+7) \div (+1) =$	$(-9) \div (+3) =$
$(+8) \div (-2) =$	$(-8) \div (+4) =$	$(+5) \div (+1) =$
$(-7) \div (+1) =$	$(+6) \div (-2) =$	$(-6) \div (+3) =$
$(+4) \div (+2) =$	$(-9) \div (-3) =$	$(-9) \div (-9) =$
$(-6) \div (-3) =$	$(+5) \div (-5) =$	$(+8) \div (+4) =$
$(+8) \div (-4) =$	$(-2) \div (+1) =$	$(+3) \div (-3) =$
$(-3) \div (+1) =$	$(+6) \div (+6) =$	$(-9) \div (+3) =$
$(+9) \div (-3) =$	$(-8) \div (+2) =$	$(+8) \div (-2) =$
$(-6) \div (-2) =$	$(-7) \div (-7) =$	$(-6) \div (-6) =$
$(+1) \div (-1) =$	$(+2) \div (-2) =$	$(+4) \div (+1) =$

D**3****2***Fifty multiplication facts***THE MAD MINUTE**

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$$

D**4****2***Fifty division facts***THE MAD MINUTE**

$2 \overline{)16}$ $8 \overline{)24}$ $7 \overline{)14}$ $6 \overline{)54}$ $6 \overline{)30}$ $7 \overline{)56}$ $5 \overline{)40}$ $8 \overline{)64}$ $9 \overline{)9}$ $9 \overline{)81}$

$6 \overline{)30}$ $4 \overline{)28}$ $2 \overline{)18}$ $3 \overline{)27}$ $8 \overline{)32}$ $4 \overline{)36}$ $6 \overline{)18}$ $9 \overline{)72}$ $5 \overline{)45}$ $2 \overline{)8}$

$6 \overline{)24}$ $8 \overline{)16}$ $7 \overline{)42}$ $9 \overline{)27}$ $6 \overline{)48}$ $3 \overline{)21}$ $9 \overline{)63}$ $9 \overline{)45}$ $8 \overline{)8}$ $2 \overline{)10}$

$2 \overline{)2}$ $5 \overline{)20}$ $9 \overline{)36}$ $8 \overline{)48}$ $2 \overline{)14}$ $6 \overline{)12}$ $7 \overline{)63}$ $5 \overline{)35}$ $8 \overline{)0}$ $7 \overline{)21}$

$8 \overline{)40}$ $4 \overline{)32}$ $7 \overline{)35}$ $5 \overline{)10}$ $8 \overline{)56}$ $6 \overline{)0}$ $9 \overline{)54}$ $2 \overline{)12}$ $6 \overline{)42}$ $9 \overline{)18}$