



elmwood franklin school

Thinking beyond.

June 2017

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,

Rosemarie Beres
Assistant Head/Head of Upper School

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

I'm looking forward to working with you again next year. This summer's required English assignments are listed below. Have a terrific summer!

1. Your required reading book is The Giver by Lois Lowry.

As you read, annotate. I will check your book when you return so please bring it on the first day of school.

2. Write a **one page** response to the book (typed, size 12, Times, double spaced).

The structure of the response is as follows:

- A. The first paragraph is a summary of the book. Include the title and author in a complete sentence. This paragraph must be 5-7 sentences.
- B. The second paragraph is the personal response section. You may answer one of the following questions or you may come up with your own topic. What did you learn from reading the book? Would you want to live in this type of world? Did you enjoy the book?

3. Select one of your free choice books from your book log. (You may **not** select The Giver.) Please write a **paragraph summary** of the book. Begin your summary with the title, author, and the reason you selected this book to read. Finish the summary with a rating (as you did in your Tiger Rising or Holes response). I will compile all the summaries into a book for FRF recommended reads. **Your summary must be typed, size 12, Times, and double spaced.**

Elmwood Franklin School

Eighth Grade Summer Reading Log

Please read three titles including The Giver.

	Title	Author
1.	_____	_____
2.	_____	_____
3.	<u>The Giver</u>	<u>Lois Lowry</u>

My child has completed the books listed.

Signature: _____
(Parent or Guardian)

I have completed the books listed.

Signature: _____
(Student)

Math Summer Review Packet

Incoming 8th Grade

Mrs. Charles

Mr. Szymkowiak

2017

Use a pencil and be neat.

You must show all work.

No calculators.

Graph paper attached at end of packet.

Name: _____

Evaluate each expression:

1. $12 + 16 \div 4 - 10 + 4$

2. $(12 + 16) \div 4 - (10 + 4)$

Use $x = 8$ and $y = 4$ to evaluate each expression.

3. $xy - x$

4. $(x + y)^2 - x + y^2$

5. $2x \div y$

6. $2x^2$

7. $(2x)^2$

Add.

8. $-6 + (-6)$

9. $12 + (-4)$

10. $-9 + 20$

11. $-20 + 30$

Subtract.

12. $-8 - -8$

13. $4 - (6)$

14. $15 - 25$

15. $(-50) - (-45)$

Multiply:

16. $-7 \cdot 5$

17. $(-20)(-5)$

18. $(-5)(-2)(-4)(-10)$

19. $(-2)(-3)(-10)$

Divide.

20. $-6 \div -2$

21. $-28 \div 4$

22. $\frac{-50}{-5}$

23. $\frac{27}{-3}$

Exponents:

24. 2^5

25. 7^2

26. 28^0

27. 10^6

28. 12^1

29. 1^{12}

30. 2^{-2}

31. $(-3)^4$

32. Tom is seven years older than Bill. If Bill is 19, how old is Tom?

Find the unit rate. Round your answers to the nearest cent.

1. a 16 oz. box of cereal for \$2.40 _____

2. 1 dozen pens for \$8.50 _____

3 Find the best buy. Circle A, B, or C.

A. 12 oz. for \$.96 B. 20 oz. for \$1.62 C. 24 oz. for \$1.68

Solve each proportion. Write the answers in the blanks to the right.

4. $\frac{x}{4} = \frac{5}{10}$

5. $\frac{27}{x} = \frac{9}{10}$

6. $\frac{x+6}{20} = \frac{1}{2}$

7. $\frac{x+10}{10} = \frac{1}{5}$

8. If 4 tickets cost \$6.00, how much would 10 tickets cost?

9. Every 600 square feet of turf requires 1 lb. of grass seed. How much grass seed should be used for 3300 square feet of turf?

10. The ratio of girls to boys at Southern Ohio University is 4:5. If there are 6000 boys, how many girls are there?

11. A 6 foot sign casts a shadow of 16' at the same time a nearby flagpole casts a shadow of 40 feet. How high is the flagpole?

Solve these inequalities.

1. $x + 5 < 8$ _____

2. $y - 10 \geq 12$ _____

3. $2x \leq 10$ _____

4. $-2x \leq 10$ _____

5. $\frac{x}{2} > 8$ _____

6. $3x + 5 > 47$ _____

Graph each of the following on a number line:

7. $x \geq 2$

8. $x < 3$

9. $-2 \leq x < 2$

10. $x > 4$ OR $x \leq 0$

FIND THE CIRCUMFERENCE: USE $\pi = 3.14$

1. $d = 10''$

2. $d = 32 \text{ cm}$

3. $r = 32 \text{ mm}$

FIND THE AREA. USE $\pi = 3.14$

4. $r = 12 \text{ inches}$

5. $r = 20 \text{ cm.}$

6. $d = 15 \text{ mm}$

COMPLETE THE CHART in terms of π .

	<u>r</u>	<u>d</u>	<u>c</u>	<u>A</u>
7.	6			
8.		16		
9.			18π	
10.				1π
11.				25π

12. If the perimeter of a square is 52 cm., find the area of the square. _____

13. If the area of a square is 2704 in.^2 , find the perimeter. _____

14. If the area of a rectangle is 810 mm.^2 , and the width of the rectangle is 27 mm., find the perimeter of the rectangle.

IDENTIFY THE FOLLOWING AS A FOR ARITHMETIC, G FOR GEOMETRIC, OR N FOR NEITHER.

1. 4, 8, 12, 16, ... _____

2. 12, 24, 20, 32, 28, 40, ... _____

3. 3, 12, 48, 196, ... _____

GIVE THE NEXT 3 NUMBERS IN EACH SEQUENCE.

4. 8, 11, 14, 17, 20, ... _____

5. 15, 11, 7, 3, ... _____

6. 1, 4, 9, 16, 25, 36, 49, ... _____

GIVE THE NEXT 3 NUMBERS IN EACH SEQUENCE.

7. 2, 6, 18, 54, ... _____

8. 4, -8, 16, -32, ... _____

9. FIND THE 51ST TERM FOR THIS SEQUENCE:

11, 18, 25, 32, ... _____

10. FIND THE 100TH TERM FOR THIS SEQUENCE:

2, 11, 20, 29, ... _____

11. FIND THE 11TH TERM FOR THIS SEQUENCE:

4, 12, 36, 108, ... _____

12. FIND THE 9TH TERM FOR THIS SEQUENCE:

6, 12, 24, 48, ... _____

Percent: Solve the following percent problems.

What is 20 % of 40?

What is 10% of 38?

25% of 32, is what number?

50% of what number is 15?

30% of what number is 18?

5 is 2% of what number?

3 is what percent of 12?

What percent of 50 is 16?

15 is 30% of what number?

Find 45% of 18.