



Dear 6th, 7th, and 8th Grade Parents,

Welcome to Middle School! This year was a busy year for your child. Each student has grown and learned so much this past school year. We want that learning to continue over the summer to help prepare your child for a fun-filled, academic rich, middle school experience. Please visit the OLC website and click on the Summer Enrichment link to access the packets. The packets include: math enrichment to increase arithmetic fluency, literacy activities, books to build reading comprehension skills, social studies, and science to incorporate into our 2022-2023 STEM year. The work is due the first week of school and will be reviewed by the classroom teacher. These activities are a great starting point for jump starting the academic year.

During the summer months, it is critical that children continue to apply fundamental literacy and math skills to minimize the summer “slide” or loss of skills. If your child uses the resources assigned in the enrichment packet, he/she will be better prepared for the challenges of middle school and will begin the year on a path to success. Remember, it is important to practice regularly in order to demonstrate proficiency.

The attached pages outline the summer enrichment activities planned for incoming sixth graders. We ask that you only focus on this packet to maximize skill development and quality of work product.

Sincerely,

Mrs. Catarine, Mr. Carroll, Mrs. Dennis, and Ms. Coates

6th Grade Reading, Writing and Social Studies

Dear Incoming 6thGrade Parents,

Writing:

Welcome 6thGrade Writers! Your personal stories and adventures will be our first topic in September! To get started with this work, you're going to write 3 letters this summer.

Directions:

Choose your best summer experience or vacation. Write 3 letters: a) one titled "Letters to the Teacher" b) the second, "Letters to my friend" (note: this would be a friend that doesn't attend OLC) and c) "Letters to my classmates". Each letter should be written addressing that specific person, (for example, "Dear Teacher", "Dear Friend", and "Dear Classmate") the letter should have 4 paragraphs, and specific details about your vacation or summer experience in each paragraph. The letter should also be formal with an introduction, body, and closing section.

Completed letters according to the directions above are worth 30 points. This work is due on the first day of school in September 2022.

Reading:

Welcome 6thGrade Readers! This year we're going to learn how to study the characters in our novels closely. To get ready for this work, you should read 2 novels this summer. You can choose any story that interests you – ***except -- no comic books!***

Directions:

During your novel reading, you'll need to complete 4 journal entries in total. Two journal entries on your first book, and two entries for your second book. You can choose the following types of journal entries: a) Character Web map – list all of the character's traits in a map. Feel free to include sketches or drawings, b) Prediction – for the next chapter, c) Compare and contrast character traits between two characters, and d) Reflection entry – answering 2 of the following: "I really like or dislike this part because....", "This reminds me of the time I....", "I wonder why....", and "I think the character should....".

Completed journal entries according to the directions above are worth 15 points. This work is due on the first day of school in September 2022.

Social Studies (STEM):

In preparation for the 2022 -- 2023 STEM project, students will need to conduct Social studies research by selecting a UN SDG (Sustainable Development Goals), a country and the challenges they face with the SDG. This information should be typed and brought to school **on the first day of school in September 2022**. A list of the SDG Goals will be stored on my teacher's page under "STEM – Social Studies". **** Please note this research will also fulfill one portion of their Summer Enrichment Reading.****

STEM Engineering Project Summer Enrichment

Dear Incoming 6th, 7th, and 8th Grade Students,

Welcome back to STEM Engineering. To prepare you for the 2022-2023 STEM Engineering projects, you will do some scientific research during the summer. Based on the problem your End-User is faced with from your Social Studies reading, use the Internet to:

Part I:

- a. Find 2 solutions that have already been tried by others to help the End-User with their problem(s).
- b. Explain how these solutions were successful or why they were not successful.

Part II:

- a. Brainstorm three possible solutions of your own to help the End-User solve their problem(s). (*Give a brief description of your proposal, not just a title.*)
- b. Of the three proposed solutions, give a more detailed plan with sketches of the one you are most interested in and want to present to the class in September.

Part III:

Identify and explain some of the scientific background concepts that helped you understand how to design and build your proposed prototype and make it work. (*Use pictures, illustrations, etc. to help explain the concepts*)

In September, you will be assigned to a group. You will introduce your End-User and the problem(s) they face by way of a persuasive oral report to your group members and class. You will also present your proposed prototype solution. Your group will vote on which End-User and prototype solution they will focus on for the year. Your goal in this research is to gather enough information that will convince your group to vote on and help your proposed End-User solve their problem(s).

Name: _____

Math Summer Enrichment for Students Entering Grade 6

The following pages contain work that 5th graders are expected to know going into 6th Grade Math. If you have trouble on any problems, I recommend logging in to your account on www-k6.thinkcentral.com and watching the lesson videos, which give step--by--step examples on how to solve problems from all chapters of your 5th Grade GoMath book.

Also, if you would like extra practice in any area, you can log in to your Khan Academy Account. If you need help accessing your ThinkCentral or Khan Academy accounts, contact me at dennish@olschool.org

Regards,

Mrs. Dennis

*****You must show all work for each problem. Your work will be a part of your grade on this assignment, so make sure to hand it in!!! *****

Find the product or quotient.

1. 42×26

2. 83×94

3. 65×45

4. 474×19

5. $4,297 \times 27$

6. $1,818 \div 9$

7. $445 \div 25$

8. $266 \div 66$

Write each number as a decimal.

9. Ten and nine hundredths

10. Ninety-seven thousandths

11. Fifty and three hundred thirty-nine thousandths

Arrange the following numbers in order from least to greatest.

12. 4.004, 4.04, 44.0, 44.04, 4.44, 4.40

13. 26.730, 2.673, 26.703, 267.03, 2.763

Solve.

14. $23.04 + 2.95 + 0.043$

15. $6 - 2.05$

16. $29.674 - 13.73$

17. 3.08×0.05

18. 45.5×0.72

19. $10.85 - 7$

20. $144 \div 1.2$

21. Timmy charges \$5.50 per hour doing yard work. If he earned \$33.00 today, how many hours did he work?

22. Pauline received \$125 for her birthday. She Used \$34.98 to buy supplies for school. How much money did she have left?

23. You saved \$89.90 from your pay. Your bike broke and you paid \$34.99 for the parts to fix it. Later you find a ten-dollar bill on the sidewalk. How much money do you have?

24. Jess raised \$360.75 from a yard sale. She wants to give the money equally to three different charities. How much will each charity get?

25. Fractions represent which of the four mathematical operations (addition, subtraction, multiplication, or division)?

26. If a fraction is multiplied by another fraction, will the product be greater than, less than, or equal to the original factor? Explain.

27. What is the product when a fraction is multiplied by its reciprocal?

Write the reciprocal of each number.

28. $\frac{3}{4}$

29. $\frac{3}{5}$

30. $2\frac{1}{6}$

31. 4

Compare the following fractions using >, <, or =.

32. $\frac{1}{6}$ _____ $\frac{1}{5}$

33. $\frac{5}{8}$ _____ $\frac{7}{10}$

34. $\frac{4}{5}$ _____ $\frac{9}{10}$

35. $1\frac{2}{3}$ _____ $1\frac{3}{5}$

Solve.

36. $\frac{2}{10} + \frac{4}{10}$

37. $\frac{3}{4} + \frac{3}{5}$

38. $\frac{4}{11} + \frac{1}{3}$

39. $\frac{7}{8} - \frac{5}{8}$

40. $8\frac{1}{4} - 2\frac{1}{3}$

41. $\frac{2}{3} \times \frac{4}{5}$

42. $8 \times \frac{4}{6}$

43. $1\frac{3}{4} \times 2\frac{1}{3}$

44. Six people share $\frac{3}{4}$ of a pound of cheese equally. How much cheese does each person receive? Justify your answer.

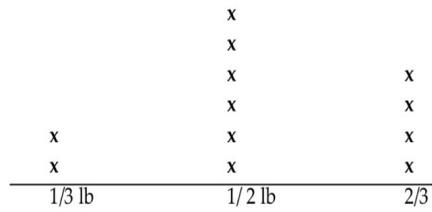
45. A cookie recipe calls for $\frac{3}{4}$ cup of flour for each batch. If you have 3 cups of flour, how many batches can you make? Justify your answer.

46. A movie begins at 7:35PM. The next showing is 92 minutes later. At what time does the next showing begin?

47. Martin has a board that is 6 feet long. He wishes to cut the board into segments that will be 18 inches long. How many segments can he get?

48. Which is the better deal: 6 candies for \$1.74 or 3 candies for \$0.96? Justify your answer.

Use the line plot below for problems 49 & 50.



Leizl divided some cashews into bags. She represented her work on the plot above.

49. How many pounds of cashews did she have altogether?

50. What was the mean (or average) amount in each bag?

Additionally, please complete at least 10 of the following skills on IXL. Please aim for a Smart Score of 80+, but if after 15-20 questions you do not have a 100, feel free to record your score and number of questions below and move on to the next skill.

If you have any difficulty in accessing your account, please contact me and I will be happy to assist you.

Skill	Date Completed	Questions Answered	Score	Parent's Initials
5.F.8				
5.F.10				
5.G.4				
5.G.13				
5.K.5				
5.K.6				
5.K.10				
5.K.15				
5.O.11				
5.O.14				
5.Y.1				
5.Y.12				