

Kamehameha Schools Hawai'i
Middle School Mathematics Department
SY 2013-2014 Seventh Grade Summer Packet

Aloha e nā mākuā,

We, at Kamehameha Schools Hawai'i Kula Waena, are aware that the summer is a time for us to visit 'ohana, to relax, to go on vacation, and to have fun. Sometimes, lost in this, is our need to prepare our haumana for the new school year. This can lead to what is sometimes called "Summer Learning Loss," in which our keiki "forget" what they have learned the year before. While there is no one way to solve the "Summer Learning Loss" issue, Kamehameha Schools Hawai'i Kula Waena does take steps to lessen its effects.

Please take time over the summer break to ensure that your child completes the problems in this packet and is able to do problems like those in the packet on their own. If your child is unsure or is having difficulty with the packet, please visit my blog at <http://blogs.ksbe.edu/dadematt/> and have your child view the review sheet and the video tutorials that are posted there. Also, if your child has an ixl.com account, my blog gives a list of the skills, like those in the packet, that your child can practice on ixl.com. If your child does not have an ixl.com account, websites such as aaamath.com or thatquiz.org also have practice problems.

Kamehameha Schools Hawai'i Kula Waena is deeply committed to helping our haumana reach their fullest potential. Having your child complete the packet and use the resources on my blog is a good step in helping him/her do this. **On your child's first day in their math class, the packet will be collected and graded as a formative assessment. During your child's first week of school, he/she will take a test on the skills covered in the packet; this will be graded as a summative assessment.** Please ensure that your child has completed the packet and is prepared for the test on the first day of school.

Me ke 'oia'i'o,

Scott DeSa
Principal

Cyndi Herron
Curriculum and Assessment Coordinator

Dan DeMattos
Math Specialist

Joanne Berryman
7th Grade Math Teacher

Sonya Ah Chong
7th Grade Math Teacher

Name _____

Math Teacher _____

Math Period _____

Operations with Fractions**Find the following sums, differences, products, and quotients. Show your work!**

1. $\frac{3}{16} + \frac{7}{16}$

2. $\frac{1}{5} + \frac{3}{10}$

3. $\frac{7}{9} + \frac{3}{5}$

4. $4\frac{1}{8} + 2\frac{3}{8}$

5. $3\frac{1}{3} + 2\frac{2}{5}$

6. $2\frac{3}{4} + 3\frac{7}{8}$

7. $\frac{4}{9} - \frac{1}{9}$

8. $\frac{3}{5} - \frac{1}{3}$

9. $5\frac{7}{12} - 2\frac{5}{12}$

10. $7\frac{7}{10} - 3\frac{2}{5}$

11. $5\frac{1}{4} - 3\frac{3}{4}$

12. $3\frac{1}{5} - 1\frac{1}{2}$

$$13. \frac{2}{5} \times \frac{5}{7}$$

$$14. 2\frac{2}{3} \times \frac{5}{6}$$

$$15. \frac{4}{9} \times 6$$

$$16. 3\frac{1}{6} \times 1\frac{3}{4}$$

$$17. 8 \times 1\frac{1}{3}$$

$$18. \frac{1}{4} \div \frac{2}{5}$$

$$19. \frac{3}{4} \div \frac{2}{7}$$

$$20. \frac{4}{9} \div 2\frac{1}{3}$$

$$21. 4 \div \frac{3}{8}$$

$$22. 2\frac{5}{6} \div 4\frac{1}{3}$$

$$23. 2\frac{2}{3} \div 5$$

GCF and LCM

Find the GCF and LCM for each of the following. Show your work!

1. 16 and 20
2. 10, 20, and 35

Solve each of the following problems using GCF or LCM. Show your work!

3. You want to make bouquets of balloons. You choose 18 yellow, 30 blue, and 42 red balloons. Each bouquet will have the same number of each color. What is the greatest possible number of bouquets you can make?
4. You buy paper plates, napkins, and cups for a party. Plates come in packages of 15. Cups come in packages of 20 and napkins come in packages of 120. You want to have the same number of plates, cups, and napkins. How many packages of each item do you need to buy?
5. You lift weights every third day and run every fourth day. If you do both activities today, in how many days will you do both activities again on the same day?
6. A camp director splits 14 counselors and 77 campers into activity groups. Each group should have the same number of counselors and the same number of campers. At most, how many groups can she make? How many campers are in each group?
7. During a promotion, a music store gives a free CD to every fifteenth customer and a free DVD to every fortieth customer. Which customer will be the first to get both gifts?