DUE DATES 2019 - 2020

The Continental Math League is a great opportunity for **ALL** HMS students to improve their math problem solving skills. Students can complete practice challenges in their classroom or at home between meets. These should be submitted to your child's classroom teacher. In order for students to participate in the Monthly Meets, entry forms must be completed by the due date indicated below.

Month	**Entry Form**	**Practice (To be completed prior to Entry Form Due Date)**	**Entry Form Due Date**	**Meeting Dates** (in the MakerSpace on Wednesdays at 10:20 or 12:30)
November	Grade 4 - Entry Form 1	Challenge 1	November 5th	November 6th
December	Grade 4 - Entry Form 2	Challenge 2	December 10th	December 11th
January	Grade 4 - Entry Form 3	Challenge 3	January 7th	January 8th
February	Grade 4 - Entry Form 4	Challenge 4 - Questions 1 - 8	February 11th	February 12th
March	Grade 4 - Entry Form 5	Challenge 4 - Questions 9 - 15	March 10th	March 11th

Grade 4
CML ENTRY FORM 1

Name:

Homeroom #2

Please complete this form by November 5th. The meet will occur on November 6th in the MakerSpace.

1. Al made a mistake in a math problem. He subtracted 6 instead of dividing by 6. Al's answer was 18. The correct answer to the problem is:

2. There are two numbers twice as far from 14 as they are from 20. Those two numbers are: .

3. Using only the digits 6, 7, 8, 9, what is the difference between the largest 4-digit number (using all 4 digits) that can be made and the smallest 3-digit number (using 3 of the 4 digits) that can be made?

4. Christian is 3 times as old as Marie. Marie is 12 years younger than Christian. How old is Christian?

5. Find the sum of 15 thousands and 15 hundreds.

6. A number is divisible by 3 if the sum of its digits is divisible by 3. For example, 189 is divisible by 3 since 1 + 8 + 9 = 18 is divisible by 3. Which of the following numbers is not divisible by 15?

155,445
55,555
57,435
40,635
891,720

Grade 4
CML ENTRY FORM 2
Name:

Homeroom #

Please complete this form by December 10th. The meet will occur on December 11th the MakerSpace.

1. Tina's history assignment was to read to Chapter 12 from the top of page 117 to the bottom of page 133. Tina was so interested in the topic she finished reading the rest of the chapter. She read a total of 36 pages. Chapter 12 ended at the bottom of page ____.

2. The units digit and the thousands digit of the number 19,828 are reversed, the larger number will be 72,000 more than the smaller number.

3. Mr. Farley spent $830 for two suits. One suit was $70 more than the other suit. How much did Mr. Farley spend on the less expensive suit?

4. In this problem all 10 digits: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 will each be used once. The answer is 1089. Use the remaining six digits to for two 3-digit numbers that add to 1089. Show your addition in the answer column.

5. In the addition problem at the right, each time a letter appears it represents the same digit. Different letters represent different digits. If the number represented by cba is more than 200 greater than the number represented by abc, find the value of cba - abc.

$$\begin{array}{r} abc \\ +cba \\ \hline 746 \end{array}$$

6. In the addition problem problem below, find the digit represented by A. Each time a letter appears it represents the same digit.

$$\begin{array}{r} A \\ A \\ +\ A \\ \hline BA \end{array}$$

Grade 4

CML ENTRY FORM 3

Name: _____

Homeroom # _____

Please complete this form by January 7th. The meet will occur on January 8th in the MakerSpace.

1. There are 14 children on a Little League baseball team. Only 9 can play at a time. The baseball season has 42 games. The coach decided that each of the 14 children would play in the same number of complete games. In how many complete games will Howard, one of the 14 children on the team, play?

2. Jorge gets paid twice as much in the US for his kickboxing exhibition as he does in Europe. In Asia he gets paid 7 times as much for an exhibition as he does in Europe. If Jorge gets paid $150 for an exhibition in the US, then he gets paid $_____ for an exhibition in Asia.

3. The Barrington Town Bicycle Store sells bicycles and tricycles. In the showroom there are 7 times as many bicycles as there are tricycles. Lauren counted a total of 85 wheels in the showroom. How many bicycles are there in the showroom of The Barrington Town Bicycle Store?

4. Richard makes money selling baseball cards. He had 150 baseball cards when he went to the trade show at the convention center to purchase more cards to sell. For $100 he was able to triple the number of cards he started with. He then sold half of the cards he now had for $200. Richard made $100 that day and has _____ more baseball cards than he started with that day.

5. A one foot cube is divided completely into 4" cubes. All the 4" cubes are placed on top of one another. The stack of 4" cubes will be _____ feet high.

6. Trains leaving Providence are going to Boston pass a train traveling at the same rate of speed coming in the opposite direction every 5 minutes. How many trains will arrive in Boston from Providence in an hour?

Grade 4
CML ENTRY FORM 4
Name: _____

Homeroom # _____

Please complete this form by February 11th. The meet will occur on February 12th in the MakerSpace.

1. James has 3 quarters, 4 dimes, and 3 pennies. Ida has 1 more quarter, half the number of dimes and twice as many the number of pennies as James. If Ida gives James _____ cents then they would have the same amount of money.

2. Farmer Jones has 380 acres. Wheat is planted in 160 acres. Ten acres are set apart for the house, barns, silos, etc. The remaining acres are equally divided for raising 5 different crops, one of those being alfalfa. On how many acres does farmes Jones raise alfalfa?

3. Will usually buys 2 bagels or 2 slices of pizza for lunch. One day he bought 1 bagel and 1 slice of pizza for a total of $2.00. If the price for 2 bagels is $1.30, then what is the price for 2 slices of pizza?

4. The Taylor family has 3 girls. Linda's age plus Marge's age add to 22 years. Linda's age plus Nancy's age add to 20 years. Marge's age plus Nancy's age add to 16 years. How old is Nancy?

5. Jaime's birthday was on Monday, June 11th. His brother's birthday is exactly 5 weeks later, on a Monday in July. There are 30 days in June. His brother's birthday is on July _____.

6. Marc was born on his grandmother's 56 birthday. In how many years will Marc's grandmother be 5 times as old as Marc will be then?

Grade 4

CML ENTRY FORM 5

Name: _____

Homeroom # _____

Please complete this form by March 10th. The meet will occur on March 11th in the MakerSpace.

1. A 30 gallon fish tank is filled with water at the rate of ½ gallon in 6 seconds. It will take _____min _____sec to fill ⅘ of the tank.

2. 8/1000 + 7/10 + 5 =

3. A full crate of apples weighed 230 pounds. After ⅘ of the apples were sold, the remaining apples and crate weighed 90 pounds. The weight of the crate when empty is _____ pounds.

4. Julie has five 20 oz. bottles each partially filled with water. The first is ¼ full, the second is ¼ empty, the third is ⅕ full, the fourth is ⅕ empty and the fifth contains 6 oz. How many 15 oz bottles does Julie need?

5. 1/3 is greater than m/15 then m could be _____ .

a. 4
b. 6
c. 10
d. 15
e. 30

6. $a^* = a \times a + a - a/a$. For example, $2^* = 2 \times 2 + 2 - 2/2 = 4 + 2 - 1 = 5$. Express 4^* in simplest form.