

# **ML** Questions

Grades 4-6

- 313) Julia has 10 marbles in each of 4 bags, 7 marbles in each of 9 bags and 5 marbles in each of 10 bags. How many bags of 9 marbles could be made using all of Julia's marbles?

313) \_\_\_\_\_

- 314) Jorge works at the golf course. He often finds lost golf balls in the woods and streams. He cleans the golf balls and puts them in packages of 3. He sells these packages of 3 golf balls for \$1.89. How many golf balls does Jorge have to find before he can sell enough packages to make at least \$25?

314) \_\_\_\_\_

- 315) With 12 gallons of paint Hal can paint 3 large rooms. To paint 5 large rooms Hal would need \_\_\_\_\_ gallons of paint.

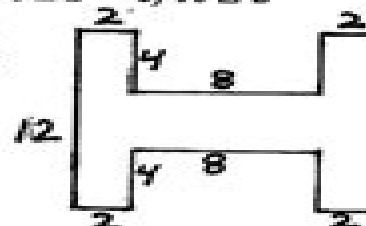
315) \_\_\_\_\_

- 316)  $a \Delta b$  means "Take the positive difference between the numbers and then triple the result." For example:  $5 \Delta 2 = 5 - 2 = 3 \times 3 = 9$ . Which of the following must be added to  $9 \Delta 3$  to make it equal to  $13 \Delta 2$ ?

a)  $5 \Delta 1$    b)  $12 \Delta 7$    c)  $11 \Delta 4$    d)  $8 \Delta 2$    e)  $10 \Delta 2$

316) \_\_\_\_\_

- 317) An "H" is cut from a 12" x 12" square piece of paper. The area of the "H" is \_\_\_\_\_ sq.in.



317) \_\_\_\_\_

- 318) The numbers 9 and 10 are the two smallest consecutive whole numbers such that the larger (10) is divisible by 5 and the smaller (9) is divisible by 3. Find the two smallest consecutive whole numbers such that the larger is divisible by 7 and the smaller by 5. (Consecutive numbers are numbers that follow one another.)

318) \_\_\_\_\_

- 319) A barrel full of apples weighs 42 pounds. The same barrel full of sand weighs 72 pounds. The sand weighs 3 times as much as the apples. The barrel when empty weighs \_\_\_\_\_ pounds.

319) \_\_\_\_\_

- 320) If  $9 \Delta 2 = 12$  and  $7 \Delta 1 = 11$ , then a rule for  $a \Delta b$  could be \_\_\_\_\_.

a)  $3a + 2b$    b)  $a + 4b$    c)  $3a - 10b$    d)  $2a - 3b$

320) \_\_\_\_\_

- 321) Delora has only nickels and dimes, the same number of each, and no other coins or bills. She has \$1.20. How many coins does she have?

321) \_\_\_\_\_

# Continental Math Grade 7 Sample Questions

**Lingjun Ying**



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