

CM SAMPLE GRADE 3-1

NAME _____ MEET 1 JANUARY 8, 2015 GRADE 3
30 MINUTES
ANSWER COLUMN

Directions: Place your answer to each question below in the answer column.

- 1) If $7 + 6 = 20 - \square$, find the number that belongs in the box. 1) _____
- 2) In the two problems at the right, the larger answer is _____ more than the smaller answer.

133	321
+148	- 73

 2) _____
- 3) If Mr. O'Brien was able to cut a board of wood into exactly eight 3-foot pieces, then he could have cut the same board into _____ 4-foot pieces. 3) _____
- 4) There are 17 people meeting in Room 101. There are 7 people meeting in Room 201. If _____ people were moved from Room 101 to Room 201, there would be twice as many people in Room 201 as in Room 101. 4) _____
- 5) A, B and C represent different digits. AB represents a 2-digit number. $AB + C = 50$; $BC + A = 41$. In the answer column, place the values for A, B and C. 5) A = _____
B = _____
C = _____
- 6) In a bank, Mrs. Wallace, Mrs. Thomas and Mrs. Ramiriz held the positions of bank teller, loan officer and branch manager, but not necessarily in that order. The teller, who just began working that year, earned the least. Mrs. Thomas and Mrs. Ramariz worked for the bank for many years. Mrs. Thomas earned more than the loan officer. Who was the loan officer? 6) _____

The answer to each question is in parentheses at the beginning of each solution.

- 1) (7) $7 + 6 = 13$. $20 - \square = 13$. $\square = 7$.
- 2) (33) $133 + 148 = 281$. $321 - 73 = 248$. $281 - 248 = 33$.
- 3) (6) The board was $8 \times 3 = 24$ feet long. He could cut $24 \div 4 = 6$ pieces, each 4-feet long from the same board.
- 4) (9) $17 + 7 = 24$. Break 24 into 3 equal parts, one part for the number of people remaining in Room 101 and 2 parts for the number needed in Room 201. $5 + 5 + 5 = 15$ (not enough). $8 + 8 + 8 = 24$ (that works). Leave 8 people in Room 101. Transfer 9 people from Room 101 to Room 201. There are now $17 - 9 = 8$ people in Room 101 and $7 + 9 = 16$ people in Room 201.
- 5) (A = 4, B = 3, C = 7) Since $AB + C = 50$, "A" must be 4 ($3B + C$ cannot = 50). Since "A" is 4, "B" must be 3 ($2B + C$ cannot = 41). Thus, $43 + C = 50$ and "C" = 7. Also, $37 + 4 = 41$. A = 4, B = 3, C = 7.
- 6) (Mrs. Ramariz) Mrs. Wallace must be the teller (Mrs. Thomas and Mrs. Ramariz have been with the bank for many years). Since Mrs. Thomas earned more than the loan officer, she is not the loan officer. Mrs. Ramariz is the loan officer.