NAN	ME			
EUCLIDEAN DIVISION MEET 5 M.		MARCH 12, 2015		<i>GRADE</i> 30 MINUTE
<u>Dire</u>	ections: Place your answer to each question below in the ar	nswer column.	<u>A</u>	ISWER COLUM
1)	In the subtraction problem at the right, find the number represented by ABC.	365 - <u>ABC</u> 183	1)	
2)	If $a @ b$ means $4 \times a - 3 \times b$, how much larger is 7 @ 3 t	nen 5 @ 4?	2)	
3)	If 4 tablespoons = $\frac{1}{4}$ cup, 1 cup = $\frac{1}{2}$ pint, 2 pints = 1 quar gallon, then tablespoons = 1 gallon.	t and 4 quarts = 1	3)	
4)	If today is a Thursday, what day of the week is it 65 days	From today?	4)	
5)	The sum of two numbers is 104. The difference between is 38. The larger of the two numbers is	the two numbers	5)	
6)	An office building has 7 doors. Four doors are only entrance and two doors are only exits from the building. In how materials are only exits from the building?	es to the building ny different ways	6)	

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EUCLIDEAN DIVISION

MEET 5

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SOLUTIONS

GRADE 5

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

- 1) (182) If 365 ABC = 183, then 365 183 = ABC. ABC = 182.
- 2) (11) $7 @ 3 = 4 \times 7 3 \times 3 = 28 9 = 19$. $5 @ 4 = 4 \times 5 3 \times 4 = 20 12 = 8$. 19 8 = 11.
- 3) (256) 16 tablespoons = 1 cup and 4 cups = 1 quart. Thus 64 tablespoons = 1 quart and $64 \times 4 = 256$ tablespoons = 4 quarts = 1 gallon.
- 4) (Saturday) Every 7 days from today is a Thursday. Since 63 is divisible by 7, 63 days from today is a Thursday. Thus, 65 days from today is a Saturday. (65 ÷ 7 = 9 r.) The remainder 2 means 2 days past Thursday.
- If 38 was added to the smaller number, then the two numbers would be equal and the sum of these two equal numbers would be 104 + 38 = 142. The larger number is $142 \div 2 = 71$. The smaller number is 71 38 = 33 (or 104 71 = 33).
- 6) (15) He can enter any of 5 different ways (4 entrance only and one additional door that can be used as an entrance or an exit). He can leave any of 3 different ways. From the Fundamental Counting Principle, he can enter and exit $5 \times 3 = 15$ different ways.