

Name: _____

1998, Mathematics - Grade 10

Question 19: Multiple Choice

Number Sense and Operations



	A	B	C	D	E
1	2	-3	7	1	
2	4	-4	8	2	
3	6	-5	9	3	
4	8	-6	10	4	

The spreadsheet above consists of 20 cells. Each cell is identified by its column and row. For example, cell C₄ contains the number 10. Using the formula $E_1 = B_3 + 2(C_1 + D_4)$, what value should be placed in cell E₁?

- A. -33
- B. -17
- C. 13
- D. 17

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Question 34: Open Response

Number Sense and Operations



Students in a 10th-grade math class have arranged the natural numbers in a spreadsheet. Maria's group starts by arranging the numbers in the table below.

	A	B	C
1	1	2	3
2	4	5	6
3	7	8	9
4	10	11	12
5	13	-	-

- a. What numbers are in the 7th row?
- b. What numbers are in the 50th row? Explain how you determined this.
- c. Maria suggests that if she selects any number from column A and multiplies it by any number in column C, she can find the answer somewhere in column C. Is Maria correct? Explain your reasoning.