





Lesson 6

Mystery Computations





Unit 1 • Lesson 6

Learning Goal

Let's explore spreadsheets.







Warm-up

Your teacher will give you 4 numbers. Use these numbers, along with mathematical operations like addition and multiplication, to make 24.







Navigate to this activity in the digital version of the materials or to ggbm.at/fjcybyqf.

Input different numbers in column A, and try to predict what will happen in column B. (Do not change anything in column B.)

1. How is the number in cell B2 related to all or some of the numbers in cells A2, A3, A4, and A5?

2. How is the number in cell B3 related to all or some of the numbers in cells A2, A3, A4, and A5?

3. How is the number in cell B4 related to all or some of the numbers in cells A2, A3, A4, and A5?

4. How is the number in cell B5 related to all or some of the numbers in cells A2, A3, A4, and A5?



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Mystery Operations



	А	В
I	change these	what happens here?
2	27	42
3	3	117
4	39	1069
5	1000	3159000
6		
7		
8		
9		
10		
Ħ		







- 1. Change the spreadsheet so that B2 contains =A2+A4. To edit the formula in B2, you may have to click it twice.
- 2. Change the numbers in A2 through A5. Make sure that your new formula does what it's supposed to do by doing a mental calculation and checking the result in B2.
- 3. Change the contents of B3 so that B3 does something different.
- 4. Before trading with a partner, make sure your new formula is not visible by clicking in a different cell.
- 5. Trade with your partner.
- 6. Change the numbers in column A to try and figure out your partner's new rule.







Mystery Operations



	А	В	
		2	
	6	2	
2	12	4	
3	18		
4	24		
5			
6			
7			
8			
9			
10			

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Unit 1 • Lesson 6 • Activity 3

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- Which formulas were interesting to guess?
- Which formulas were difficult to guess? What made them difficult?
- Which formulas were easy to guess? What made them easy?







Lesson Synthesis







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I can determine basic relationships between cell values in a spreadsheet by changing the values and noticing what happens in another cell. Learning Targets







What Does This Do?

Cool-down

	А	В	С
1	2		=(A1 + A2)*A3
2	5		
3	7		
4	12		
5	18		
6			
7			
_			

- 1. What value will be in cell C1 after the formula is entered?
- 2. What value will be in cell C1 if the numbers in column A are changed to 1, 2, 3, 4, and 5 in that order?

Illustrative Mathematics





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