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Using Mathematical Operations - Add, Sub, Multiply, Div in MS Excel

Microsoft Excel

**Module 12 - Using Mathematical Operations - Add, Sub, Multiply,
Div in MS Excel**

Microsoft Excel allows you to perform **basic mathematical operations** like addition, subtraction, multiplication, and division using formulas. These formulas always start with an **equal sign (=)** followed by numbers, cell references, and mathematical operators.

Here's how:

1. Addition (+):

Meaning: It is the process of combining two or more numbers to get a total or sum.

- Used to sum two or more numbers.
- **Example Formula:**

=A1 + B1

This adds the values in cells A1 and B1.

- **Using Multiple Cells:**

=A1 + B1 + C1 + D1

	A	B	C	D
1	23	52	=A1+B1	
2				
3				
4				

2. Subtraction (-)

• Used to subtract one number from another.

- **Example Formula:**

=A1 - B1

This subtracts the value in B1 from A1.

	A	B	C
1	23	52	=A1-B1
2			
3			
4			
5			

3. Multiplication (*)

• Used to multiply two or more numbers.

- **Example Formula:**

=A1 * B1

This multiplies the values in A1 and B1.

	A	B	C
1	23	52	=A1*B1
2			
3			
4			

4. Division (/)

• Used to divide one number by another.

- **Example Formula:**

=A1 / B1

This divides the value in A1 by B1.

	A	B	C
1	23	52	=A1/B1
2			
3			
4			
5			

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Why We perform arithmetical calculations in MS Excel because it helps in:

1. **Fast and Accurate Calculations** - Excel automatically performs calculations without errors if the formulas are correct.
2. **Data Analysis** - Helps in financial, statistical, and logical analysis using formulas and functions.
3. **Time-Saving** - Reduces manual work by calculating large datasets quickly.
4. **Graphical Representation** - Calculated data can be used in charts and graphs for better visualization.
5. **Automated Calculations** - Excel quickly performs arithmetic operations without manual effort.
6. **Accuracy** - Reduces human errors in calculations.
7. **Time-Saving** - Works faster than manual calculations, especially for large datasets.
8. **Dynamic Updates** - If data changes, Excel automatically updates the results.

Assignment:

Apply the formulas for all rows and calculate the Addition, Subtraction, Multiplication, and Division:

Item	Value 1	Value 2	Addition	Subtraction	Multiplication	Division
A	15	5	?	?	?	?
B	30	10	?	?	?	?
C	25	5	?	?	?	?
D	50	25	?	?	?	?
E	40	8	?	?	?	?