

Solve this problem use one of the Percent Formulas.
You must follow the Word Problem 5 Step process.

The Nightly News reported that the GE Company has sales this year that were 87.5% of last year's sales.
If last year's sales were \$5,350,500,000, what were this year's sales?

Step 1: List all Facts

Break down sentence into numbers and math operators:

Sales this year that were 87.50% of Last year's sales

Part			Rate		Base
Sales this year	that were		87.50% of		Last year's sales
↓	↓		↓	↓	↓
???	=		87.50%	*	\$5,350,500,000

Formula = **Part = Rate * Base**

Step 2: Goal

Find this year's sales

Step 3: Solve using Efficient Excel Methods

	How Many Pennies / \$1	
Rate =	Last Year Sales	87.50%
Base =	Last year's sales	\$5,350,500,000.00
Part =	Sales this year	\$4,681,687,500.00

=C19*C18
Part = Rate * Base

Step 4: Check

Part =	\$4,681,687,500.00	
Base =	\$5,350,500,000.00	
Rate =	0.875	Check ✓ =H18/H19 Rate = Part/Base

Step 5: Answer with written statement

This year's sales are \$4,681,687,500.00.

Solve this problem use one of the Percent Formulas.
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The Nightly news reported that the Stock Market rose by 3/10%.
If the Stock Market started at \$26,083.00, how much did the market increase by? What was the ending value of the Stock Market?

Step 1: List all Facts

	Fractional Percent That Market	
Rate =	Increased	3/10%
Base =	Stock Market start	\$26,083.00
Part = ??	Amount Market Increased by	??

Formula = Part = Rate * Base

Step 3: Solve using Efficient Excel Methods

	Fractional Percent That Market		
Rate =	Increased	3/10%	
Base =	Stock Market start	\$26,083.00	
Part =	Amount Market Increased by	\$78.25	=C18*C17
	Amount Market Increased by	\$78.25	Part = Rate * Base
	Ending Value of the Stock Market	\$26,161.25	=ROUND(C19,2) =SUM(C18:C19)

Step 2: Goal

Find how much the market increase by

What was the ending value of the Stock Market?

Step 4: Check

Part =	\$78.25	
Base =	\$26,083.00	
Rate =	0.003	=A17 Check ✓
		Rate = Part/Base

Step 5: Answer with written statement

The Stock Market rose by \$78.25 and ended at \$26,161.25.