All formulas must create correct answers is new salespeople or regions are added

Name	Sales_2024	Goal_2024	Sales_Region	Bonus
Johnson	$93,654	125123	West	ROUND(IF(AND(B4>C4,B4>=95000),XLOOKUP(D4,Region1,Rate)*B4,0),0)
Robertson	$87,957	91926	South	$0
Myers	$105,087	98230	Midwest	$5,254
Stith	$110,709	97104	West	$11,071
Coleman	$112,268	110000	South	$8,981
Green	$84,000	112236	Midwest	$0
Adams	$105,195	98518	West	$10,520

Region1	Rate
West	10%
South	8%
Midwest	5%

Question 11:

Calculate bonus in column E under the following requirements:

Salesperson receives a bonus if their sales are greater than or equal to their goal and if their sales were at least $95,000

The bonus is 10% if they're in the west region, 8% if they're in the south region, 5% if they're in the midwest region

bonus should be rounded to the nearest whole number

ANSWERS:

Question 1:	How many people had sales over $100,000?	COUNTIF(Sales_2024,">100000")
Question 2:	What were Coleman's sales?	XLOOKUP("Coleman",Name,Sales_2024)
Question 3:	What were the total sales for employees in the west region?	SUMIF(Sales_Region,"West",Sales_2024)
Question 4:	Which employees are in the South region?	FILTER(Name,Sales_Region="south")

Alternative Formula for Bonus:

ROUND(IF(AND(Sales_2024>=Goal_2024,Sales_2024>=95000),IF(Sales_Region="West",Sales_2024*0.1,IF(Sales_Region="South",Sales_2024*0.08,IF(Sales_Region="Midwest",Sales_2024*0.05,0))),0),0)

user input

Question 5:	How many people had sales less than:	$90,000	COUNTIF(Sales_2024,"<"&F20)
Question 6:	Which employee had the least amount of sales?		XLOOKUP(MIN(Sales_2024),Sales_2024,Name)
Question 7:	How many had sales that exceeded the average sales?		COUNTIF(Sales_2024,">"&AVERAGE(Sales_2024))
Question 8:	What is the average sales of employees in the South region?		AVERAGEIF(Sales_Region,"South",Sales_2024)
Question 9:	What were the total bonuses for employees in the west region?		SUMIF(Sales_Region,"west",Bonus)

Question 10:

Name:	Johnson	create a drop-down list for the user to select a salesperson
Bonus?	IF(XLOOKUP(B27,Name,Sales_2024)>100000,"yes","no")	is this person entitled to a bonus?

if the person chosen had sales over $100,000 then they will receive a bonus

Task1 | Task2 | Task3 | Task4 | Task5