

1. Total quantity sold by each salesperson

```
SELECT Salesperson, SUM(Quantity) AS TotalQuantity  
FROM Sales  
GROUP BY Salesperson;
```

2. Salespersons who sold more than 5 items in total

```
SELECT Salesperson, SUM(Quantity) AS TotalQuantity  
FROM Sales  
GROUP BY Salesperson  
HAVING SUM(Quantity) > 5;
```

3. Number of products sold by each salesperson

(Number of rows, not unique products here — use COUNT(DISTINCT) for unique products)

```
SELECT Salesperson, COUNT(Product) AS ProductCount  
FROM Sales  
GROUP BY Salesperson;
```

4. Regions where total sale amount exceeded \$1000

```
SELECT Region, SUM(SaleAmount) AS TotalSales  
FROM Sales  
GROUP BY Region  
HAVING SUM(SaleAmount) > 1000;
```

5. Salespersons who made more than 2 sales transactions

```
SELECT Salesperson, COUNT(*) AS TransactionCount  
FROM Sales  
GROUP BY Salesperson  
HAVING COUNT(*) > 2;
```

6. Total sale amount by product, only products over \$500 in sales

```
SELECT Product, SUM(SaleAmount) AS TotalSales
FROM Sales
GROUP BY Product
HAVING SUM(SaleAmount) > 500;
```

7. Total quantity sold of each product in each region

```
SELECT Region, Product, SUM(Quantity) AS TotalQuantity
FROM Sales
GROUP BY Region, Product;
```

8. Salespersons who sold more than 1 type of product

```
SELECT Salesperson
FROM Sales
GROUP BY Salesperson
HAVING COUNT(DISTINCT Product) > 1;
```

9. Average quantity per product sold per region, where average > 1

```
SELECT Region, Product, AVG(Quantity) AS AvgQuantity
FROM Sales
GROUP BY Region, Product
HAVING AVG(Quantity) > 1;
```

10. Salespersons whose total sale amount is between \$500 and \$1500

```
SELECT Salesperson, SUM(SaleAmount) AS TotalSales
FROM Sales
GROUP BY Salesperson
HAVING SUM(SaleAmount) BETWEEN 500 AND 1500;
```

11. Top-performing products (more than 3 units sold in total)

```
SELECT Product, SUM(Quantity) AS TotalQuantity
FROM Sales
GROUP BY Product
HAVING SUM(Quantity) > 3;
```

12. Salespersons who sold laptops

```
SELECT DISTINCT Salesperson
FROM Sales
WHERE Product = 'Laptop';
```

13. Total sale amount per salesperson per region, only where it exceeds \$500

```
SELECT Salesperson, Region, SUM(SaleAmount) AS TotalSales
FROM Sales
GROUP BY Salesperson, Region
HAVING SUM(SaleAmount) > 500;
```

14. Salespersons who sold at least 2 different products in a single region

```
SELECT Salesperson, Region
FROM Sales
GROUP BY Salesperson, Region
HAVING COUNT(DISTINCT Product) >= 2;
```

15. Products sold in more than one region

```
SELECT Product
FROM Sales
GROUP BY Product
HAVING COUNT(DISTINCT Region) > 1;
```

16. Total number of sales per product (hide products with fewer than 2 sales)

```
SELECT Product, COUNT(*) AS SalesCount
FROM Sales
GROUP BY Product
HAVING COUNT(*) >= 2;
```

17. Region-wise total quantity sold by each salesperson

```
SELECT Region, Salesperson, SUM(Quantity) AS TotalQuantity
FROM Sales
GROUP BY Region, Salesperson;
```

18. Salespersons who made more than 3 transactions and total sales over \$1000

```
SELECT Salesperson, COUNT(*) AS TransactionCount, SUM(SaleAmount) AS TotalSales
FROM Sales
GROUP BY Salesperson
HAVING COUNT(*) > 3 AND SUM(SaleAmount) > 1000;
```

19. Average sale amount per region, only regions with average above \$200

```
SELECT Region, AVG(SaleAmount) AS AvgSale
FROM Sales
GROUP BY Region
HAVING AVG(SaleAmount) > 200;
```

20. Regions and products where more than 3 units were sold

```
SELECT Region, Product, SUM(Quantity) AS TotalQuantity
FROM Sales
GROUP BY Region, Product
HAVING SUM(Quantity) > 3;
```