Question 1

- a) Looking at the histogram of the data, there are outliers that are orders of magnitude greater than the order amounts of the vast majority of orders.
- b) The simplest metric for data with a few outliers that substantially change the mean would be the median.
- c) The median order amount is \$284

Question 2

a) How many orders were shipped by Speedy Express in total?

54 orders

SELECT COUNT(ShipperName) FROM Orders
INNER JOIN Shippers ON Orders.ShipperID=Shippers.ShipperID
WHERE ShipperName="Speedy Express"

b) What is the last name of the employee with the most orders?

Peacock

SELECT LastName, MAX(employeeCount)
FROM (SELECT LastName, COUNT(Orders.EmployeeID) AS employeeCount FROM Orders
JOIN Employees ON Orders.EmployeeID=Employees.EmployeeID
GROUP BY Orders.EmployeeID)

c) What product was ordered the most by customers in Germany?

Boston Crab Meat

SELECT ProductName, MAX(germanyProductQuant) FROM (SELECT Products.ProductID, Products.ProductName, SUM(Quantity) AS germanyProductQuant FROM (((OrderDetails INNER JOIN Orders ON OrderDetails.OrderID=Orders.OrderID) INNER JOIN Customers ON Orders.CustomerID = Customers.CustomerID) INNER JOIN Products ON OrderDetails.ProductID=Products.ProductID) WHERE Country="Germany" GROUP BY Products.ProductID)