Drawing Venn Diagram - With Universal Set

Draw Venn diagram based on the data provided and answer the questions that follow.

1) The local pizzeria received orders for the following pizzas:
   - 28 customers ordered for only cheese pizzas;
   - 37 customers placed orders exclusively for pepperoni pizzas;
   - 35 customers ordered for only chicken sausage pizzas;
   - 19 customers ordered for cheese and pepperoni pizzas but not chicken sausage pizzas;
   - 1 customer placed orders for chicken sausage pizzas and pepperoni pizzas but not for cheese pizzas;
   - 9 customers ordered for chicken sausage pizzas and cheese pizzas but not for pepperoni pizzas;
   - 2 orders were placed for all three types of pizzas; and
   - 3 customers at the pizzeria did not place orders for pizzas.

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a) Find the number of cu

b) How many orders did

c) Find the number of or
   sausage or pepporon

d) How many orders wer

e) Write down the number of orders that were placed for either pepperoni or chesse pizzas.

f) How many orders were placed for either cheese or chicken sausage pizzas?

g) Write down the orders that were placed for cheese and pepperoni pizzas.

h) How many customers placed orders for chicken sausage and pepperoni pizzas but not cheese pizzas?

Answer Key

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Draw: S2

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a) Find the number of cu__   **58 customers**

b) How many orders did__   **75 orders**

c) Find the number of or__
   sausage or pepporon__   **103 orders**

d) How many orders wer__   **31 orders**

e) Write down the number of orders that were placed for either
   pepperoni or chesse pizzas.   **96 orders**

f) How many orders were placed for either cheese or chicken sausage
   pizzas?   **94 orders**

g) Write down the orders that were placed for cheese and pepperoni
   pizzas.   **21 orders**

h) How many customers placed orders for chicken sausage and
   pepperoni pizzas but not cheese pizzas?   **1 order**