

Tid	Items bought
10	Beer, Nuts, Diaper
20	Beer, Coffee, Diaper
30	Beer, Diaper, Eggs
40	Nuts, Eggs, Milk
50	Nuts, Coffee, Diaper, Eggs, Milk

Let X be the 1-itemset {Beer} and Y be the 1-itemset {Diaper}. What is the complete set of transactions from the table that contains the itemset $X \cup Y$?

- **10**, 20, 30, 50
- **1** {10, 20, 30}
- **□** {}

Tid	Items bought
10	Beer, Nuts, Diaper
20	Beer, Coffee, Diaper
30	Beer, Diaper, Eggs
40	Nuts, Eggs, Milk
50	Nuts, Coffee, Diaper, Eggs, Milk

Let X be the 1-itemset {Beer} and Y be the 1-itemset {Diaper}. What is the complete set of transactions from the table that contains the itemset $X \cup Y$?

- **10**, 20, 30, 50
- **1** {10, 20, 30}
- **□** {}

Answer: {10, 20, 30}

Explanation: $X \cup Y = \{Beer, Diaper\}$. We are looking for transactions that contain both Beer and Diaper, not the set of transactions that contains either Beer or Diaper.

TidItems bought10Beer, Nuts, Diaper20Beer, Coffee, Diaper, Nuts30Beer, Diaper, Eggs40Beer, Nuts, Eggs, Milk50Nuts, Coffee, Diaper, Eggs, Milk

Given the transactions in the table, minsup = 50% and minconf = 50%, how many association rules are there?

- **0**
- **2**
- **4**
- **5**
- **G**

Tid	Items bought
10	Beer, Nuts, Diaper
20	Beer, Coffee, Diaper, Nuts
30	Beer, Diaper, Eggs
40	Beer, Nuts, Eggs, Milk
50	Nuts, Coffee, Diaper, Eggs, Milk

Given the transactions in the table, minsup = 50% and minconf = 50%, how many association rules are there?

- **0**
- **2**
- **4**
- **5**
- **G**

Answer: 6

Explanation: The rules are: Beer → Nuts, Nuts → Beer, Beer

→ Diaper, Diaper → Beer, Nuts → Diaper, Diaper → Nuts