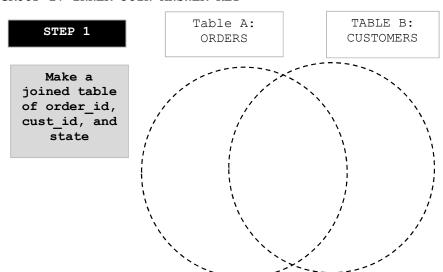
GROUP 1: INNER JOIN ANSWER KEY



	ORDER_ID	CUST_ID	STATE
1	12345	567	WA
2	12346	457	MI
3	15678	234	(null)
4			
5			
6			
7			

STEP 2

Make a table of
the count of
orders and
customers in
each state.
Don't count
NULL
customer_id or
order_id

ORDER COUNT	CUSTOMER COUNT	STATE
1	1	AW
1	1	MI
1	1	(null)

STEP 3

ORDER COUNT	CUSTOMER COUNT
3	3

GROUP 2: LEFT JOIN ANSWER KEY

Make a joined table of order_id, cust_id, and state

	ORDER_ID	CUST_ID	STATE
1	12345	567	WA
2	12346	457	MI
3	12366	123	(null)
4	14567	(null)	(null)
5	19453	(null)	(null)
6	15678	234	(null)
7	_		_

STEP 2

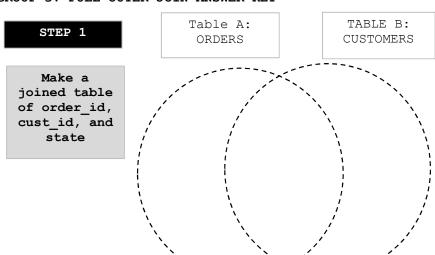
Make a table of
the count of
orders and
customers in
each state.
Don't count
NULL
customer_id or
order_id

ORDER COUNT	CUSTOMER COUNT	STATE
1	1	WA
1	1	MI
4	2	(null)

STEP 3

ORDER COUNT	CUSTOMER COUNT
6	4

GROUP 3: FULL OUTER JOIN ANSWER KEY



	ORDER_ID	CUST_ID	STATE
1	12345	567	WA
2	12346	457	MI
3	12366	123	(null)
4	14567	(null)	(null)
5	19453	(null)	(null)
6	15678	234	(null)
7	(null)	678	(null)
8	(null)	367	SD
9			

STEP 2

Make a table of
the count of
orders and
customers in
each state.
Don't count
NULL
customer_id or
order_id

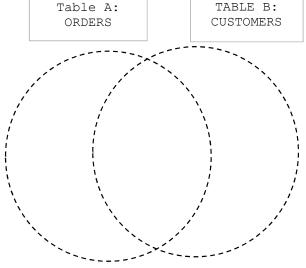
ORDER COUNT	CUSTOMER COUNT	STATE
1	1	WA
1	1	MI
0	1	SD
4	3	(null)

STEP 3

ORDER COUNT	CUSTOMER COUNT
6	6

GROUP 4: LEFT JOIN WHERE B IS NULL ANSWER KEY

Make a
joined table
of order_id,
cust_id, and
state



	ORDER_ID	CUST_ID	STATE
1	14567	(null)	(null)
2	19453	(null)	(null)
3	12366	123	(null)
4			
5			
6			
7			
8			
9			

STEP 2

Make a table of
the count of
orders and
customers in
each state.
Don't count
NULL
customer_id or
order_id

ORDER COUNT	CUSTOMER COUNT	STATE
3	1	(null)

STEP 3

ORDER COUNT	CUSTOMER COUNT
3	1

GROUP 5: FULL OUTER JOIN WHERE A AND B NULL

Make a joined table of order_id, cust_id, and state

Table A: CUSTOMERS

TABLE B: CUSTOMERS

1
2
3
4
5
6
7
Q

ORDER_ID	CUST_ID	STATE
12366	123	(null)
14567	(null)	(null)
14453	(null)	(null)
(null)	678	DE
(null)	367	SD

STEP 2

Make a table of
the count of
orders and
customers in
each state.
Don't count
NULL
customer_id or
order_id

ORDER COUNT	CUSTOMER COUNT	STATE
3	1	(null)
0	1	DE
0	1	SD

STEP 3

ORDER COUNT	CUSTOMER COUNT
3	3