

Name : _____

Drawing Venn Diagram - Without Universal Set

Draw: S5

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

- 1) In a sports club, 23 members play tennis, 17 members use the pool facility and 24 members use the gym.
- 4 members play tennis and use the pool but do not work out at the gym;
 - 5 members work out at the gym and also play tennis but do not use the pool;
 - 3 members use the gym and the pool facilities but do not play tennis; and
 - 2 member uses all the three facilities at the club.

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- a) How many members _____
- b) List the total number of facilities. _____
- c) Find the number of members who use only the pool and gym facilities. _____
- d) How many club members use only the pool facility? _____
- e) List the number of club members who do not use the gym. _____
- f) Find the number of members who use only the pool facility at the health club. _____
- g) How many members do not play tennis? _____
- h) Write down the number of members who either play tennis or use the gym facility. _____

Name : _____

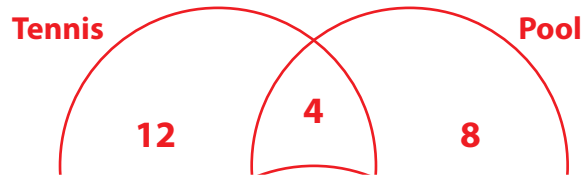
Answer Key

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- a) How many members use only the pool facility? **14 members**
- b) List the total number of facilities. **48 members**
- c) Find the number of members who use only the gym facilities. **36 members**
- d) How many club members use only the tennis facility? **12 members**
- e) List the number of club members who do not use the gym. **24 members**
- f) Find the number of members who use only the pool facility at the health club. **8 members**
- g) How many members do not play tennis? **25 members**
- h) Write down the number of members who either play tennis or use the gym facility. **40 members**