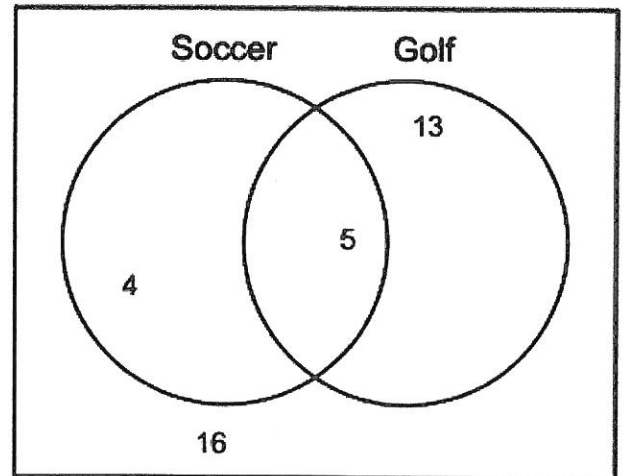


For each of the following, use the Venn Diagram to:

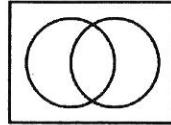
- a) State how many elements are in the stated set or subset
- b) Name the set using Set Symbols
- c) Shade the Venn diagram.



1. Students who were given the survey

- a.
- b.

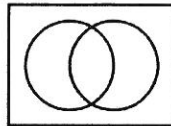
c.



2. Students who like Golf

- a.
- b.

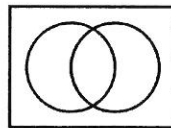
c.



3. Students who do not like Golf

- a.
- b.

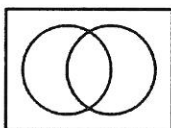
c.



4. Students who like Soccer, but not Golf

- a.
- b.

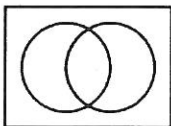
c.



5. Students who like Soccer and Golf

- a.
- b.

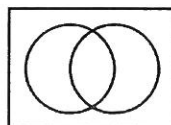
c.



6. Students who like Soccer or Golf

- a.
- b.

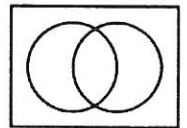
c.



7. Students who only like one of the two sports

- a.
- b.

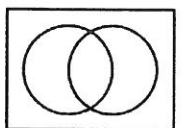
c.



8. Students who do not like both sports

- a.
- b.

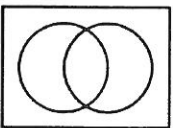
c.



9. Students who like Soccer or don't like Golf

- a.
- b.

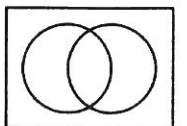
c.



10. Students who do not like Soccer or Golf

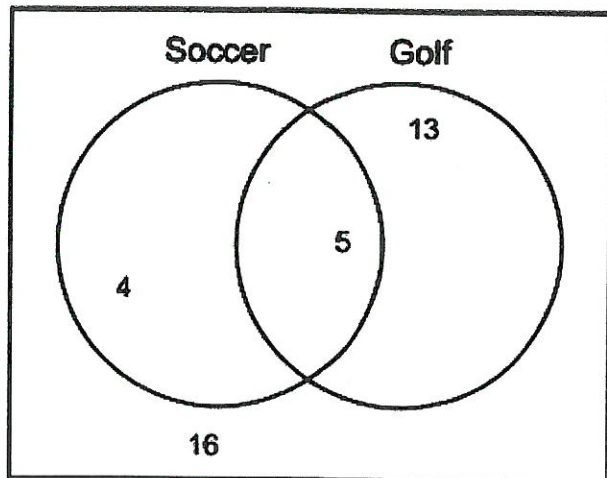
- a.
- b.

c.



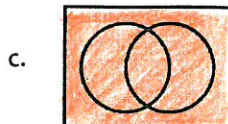
For each of the following, use the Venn Diagram to:

- State how many elements are in the stated set or subset
- Name the set using Set Symbols
- Shade the Venn diagram.



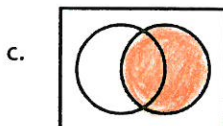
1. Students who were given the survey

a. 38 b. U



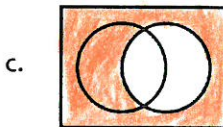
2. Students who like Golf

a. 18 b. G



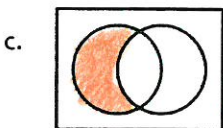
3. Students who do not like Golf

a. 20 b. \bar{G}



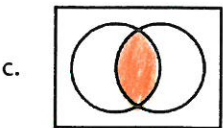
4. Students who like Soccer, but not Golf

a. 4 b. $S \cap \bar{G}$



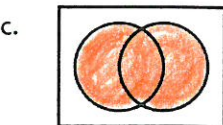
5. Students who like Soccer and Golf

a. 5 b. $S \cap G$



6. Students who like Soccer or Golf

a. 22 b. $S \cup G$



7. Students who only like one of the two sports

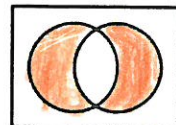
$$(S \cap \bar{G}) \cup (\bar{S} \cap G)$$

a. 17 b.

or

$$(S \cap \bar{G}) \cup (\bar{S} \cap G)$$

c.

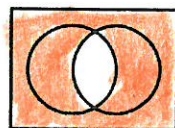


8. Students who do not like both sports

a. 33 b.

$\overline{S \cap G}$

c.

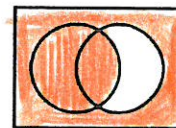


9. Students who like Soccer or don't like Golf

a. 25 b.

$S \cup \bar{G}$

c.



10. Students who do not like Soccer or Golf

a. 16 b.

$\overline{S \cup G}$

c.

