



Venn Diagram Scenarios

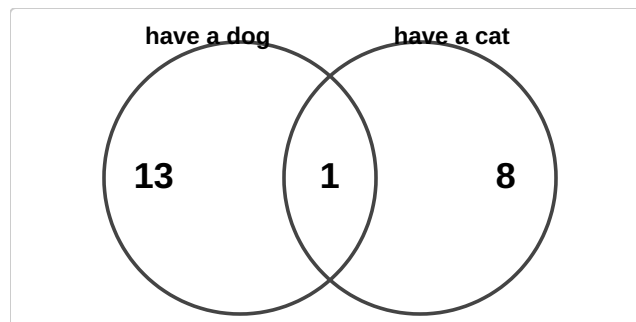
Grade 5

Name: _____

Analyze the Venn diagram and answer the questions.

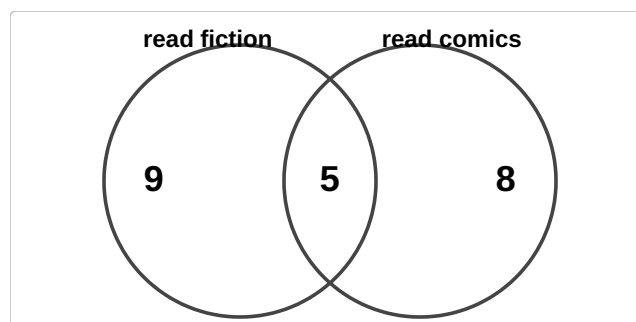
The diagram shows the number of students in different clubs. Overlapping areas show students who are in more than one club.

- (1) In a survey, 14 students have a dog and 9 students have a cat. 1 do both. How many students are in "have a dog" only?



(A) 11 (B) 12 (C) 13 (D) 14

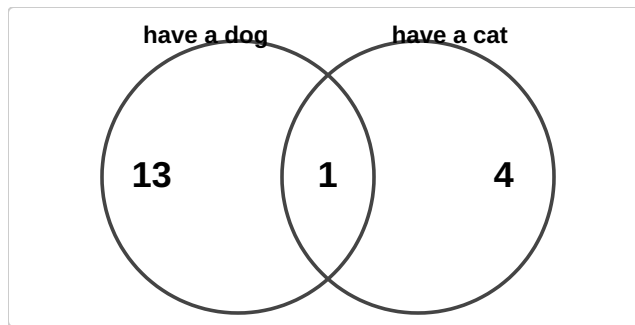
- (2) In a survey, 14 students read fiction and 13 students read comics. 5 do both. How many students are in "read comics" only?



(A) 7 (B) 8 (C) 9 (D) 10

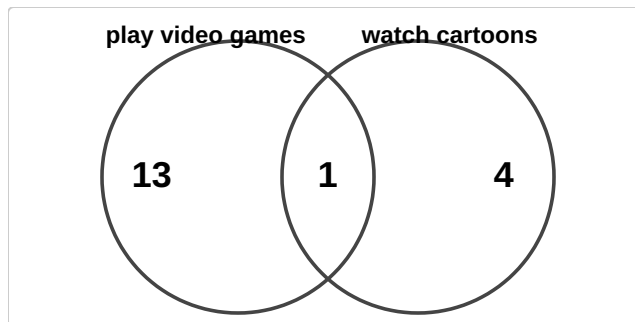


- (3) In a survey, 14 students have a dog and 5 students have a cat. 1 do both. How many students are in both groups?



(A) 1 (B) 2 (C) 3 (D) 4

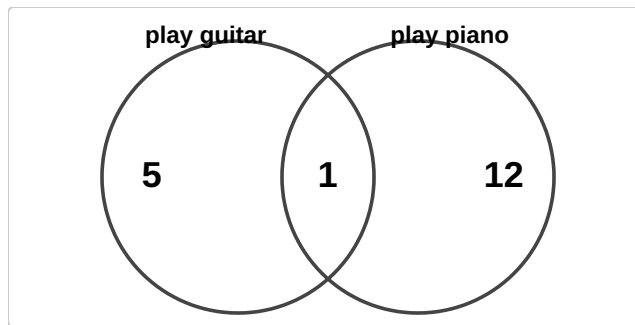
- (4) In a survey, 14 students play video games and 5 students watch cartoons. 1 do both. How many students play video games?



(A) 13 (B) 14 (C) 15 (D) 16

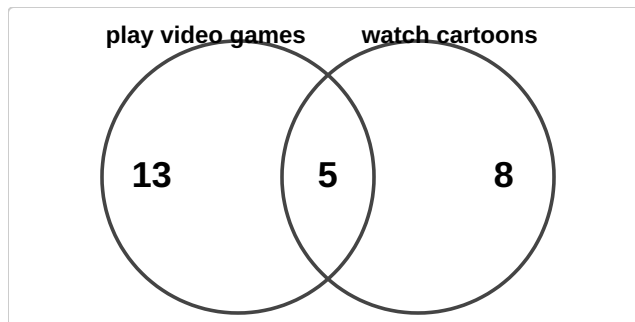


- (5) In a survey, 6 students play guitar and 13 students play piano. 1 do both. How many students play piano?



(A) 10 (B) 11 (C) 12 (D) 13

- (6) In a survey, 18 students play video games and 13 students watch cartoons. 5 do both. How many students are in at least one group?



(A) 24 (B) 25 (C) 26 (D) 27

