



Venn Diagram Scenarios

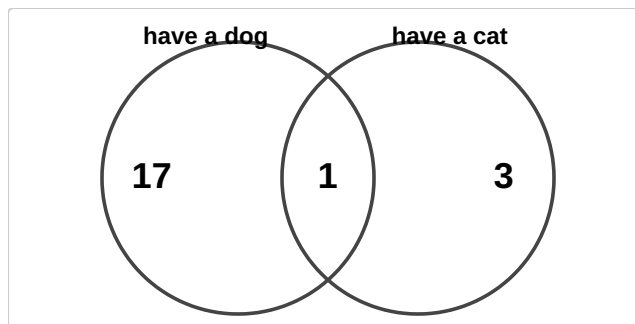
Grade 6

Name: _____

Analyze the Venn diagram and answer the questions.

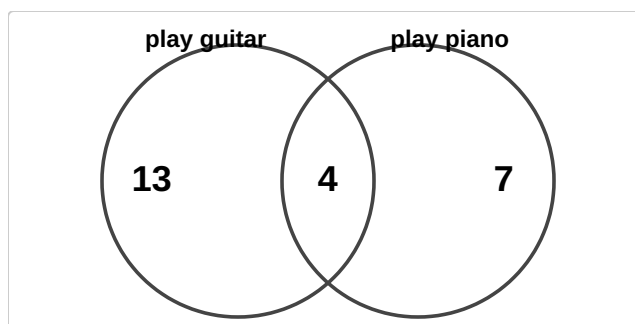
The diagram shows the number of students in different clubs. Overlapping areas show students who are in more than one club.

- (1) In a survey, 18 students have a dog and 4 students have a cat. 1 do both. How many students are in "have a dog" only?



(A) 15 (B) 16 (C) 17 (D) 18

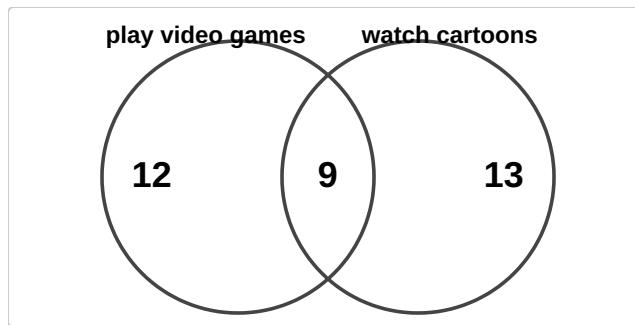
- (2) In a survey, 17 students play guitar and 11 students play piano. 4 do both. How many students are in "play piano" only?



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

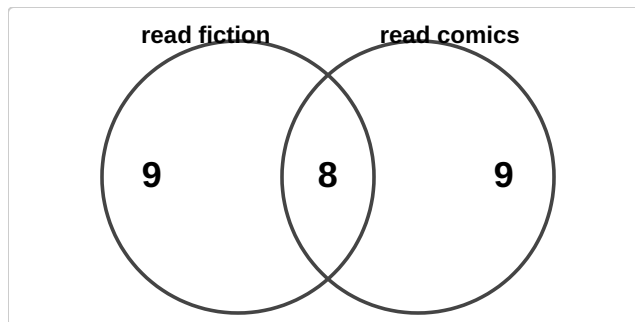


- (3) In a survey, 21 students play video games and 22 students watch cartoons. 9 do both. How many students are in both groups?



(A) 9 (B) 10 (C) 11 (D) 12

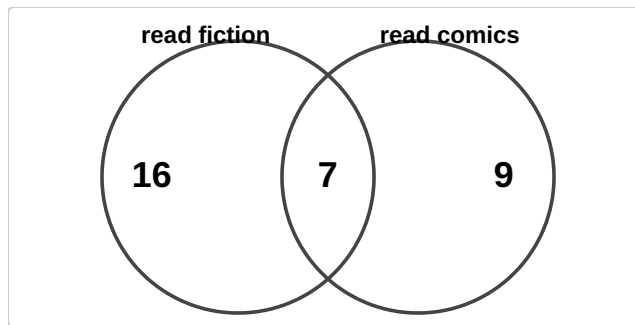
- (4) In a survey, 17 students read fiction and 17 students read comics. 8 do both. How many students read fiction?



(A) 15 (B) 16 (C) 17 (D) 18

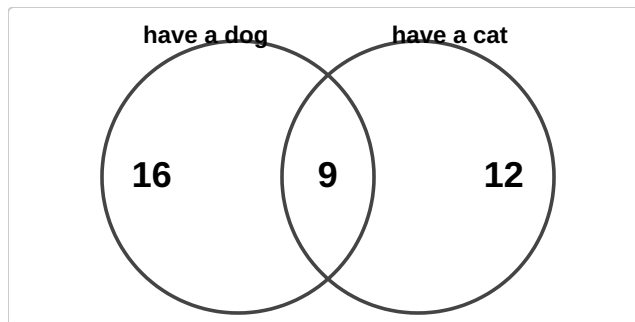


- (5) In a survey, 23 students read fiction and 16 students read comics. 7 do both. How many students read comics?



(A) 14 (B) 15 (C) 16 (D) 17

- (6) In a survey, 25 students have a dog and 21 students have a cat. 9 do both. How many students are in at least one group?



(A) 37 (B) 38 (C) 39 (D) 40

