



# Venn Diagram Scenarios

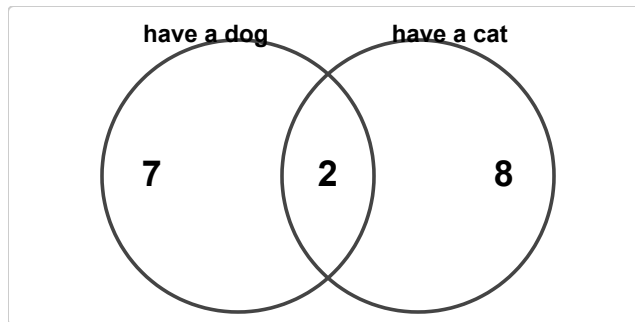
Grade 6

Name: \_\_\_\_\_

Analyze the Venn diagram and answer the questions.

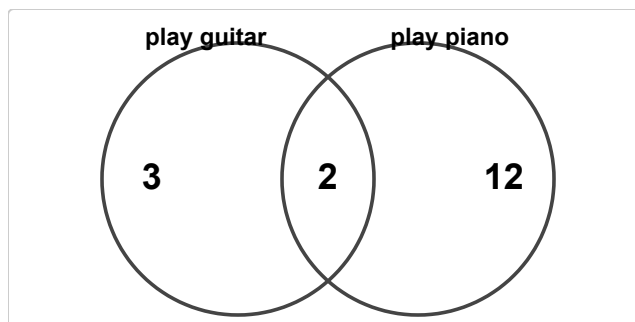
The diagram shows the number of students in different clubs. Overlapping areas show students who are in more than one club.

- (1) In a survey, 9 students have a dog and 10 students have a cat. 2 do both. How many students are in "have a dog" only?



(A) 5 (B) 6 (C) 7 (D) 8

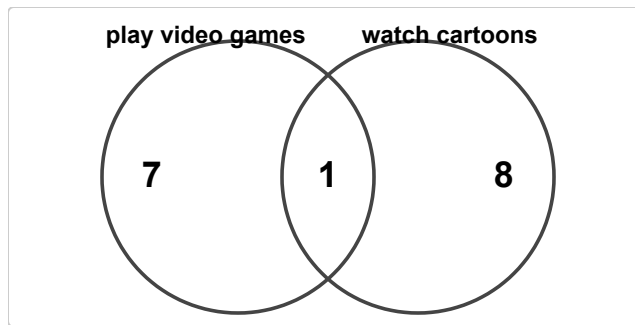
- (2) In a survey, 5 students play guitar and 14 students play piano. 2 do both. How many students are in "play piano" only?



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

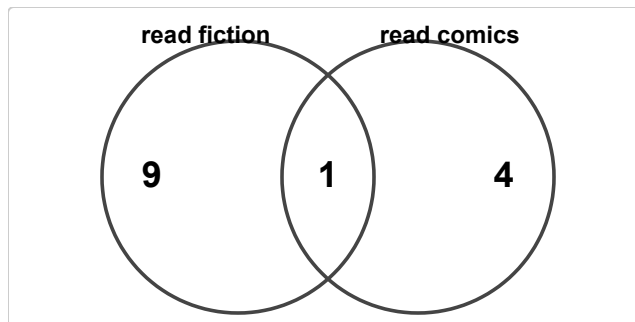


(3) In a survey, 8 students play video games and 9 students watch cartoons. 1 do both. How many students are in both groups?



(A) 0 (B) 1 (C) 2 (D) 3

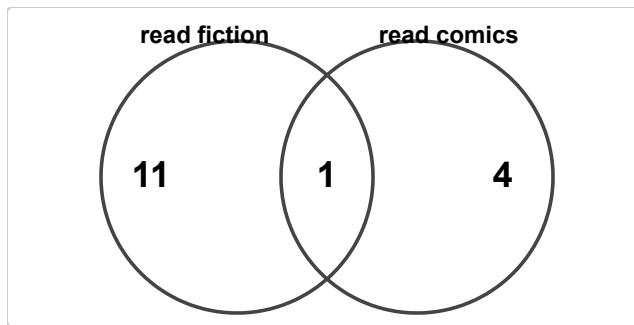
(4) In a survey, 10 students read fiction and 5 students read comics. 1 do both. How many students read fiction?



(A) 8 (B) 9 (C) 10 (D) 11

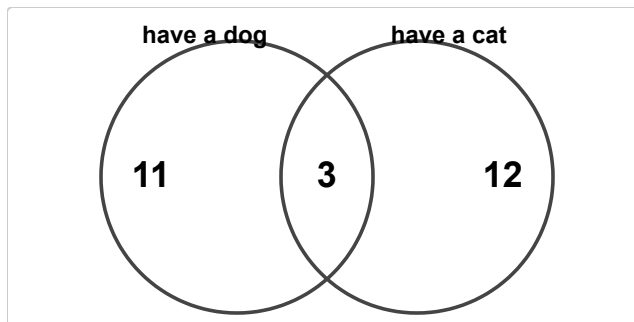


(5) In a survey, 12 students read fiction and 5 students read comics. 1 do both. How many students read comics?



(A) 3 (B) 4 (C) 5 (D) 6

(6) In a survey, 14 students have a dog and 15 students have a cat. 3 do both. How many students are in at least one group?



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

