



Venn Diagrams: 3 Sets

Grade 4

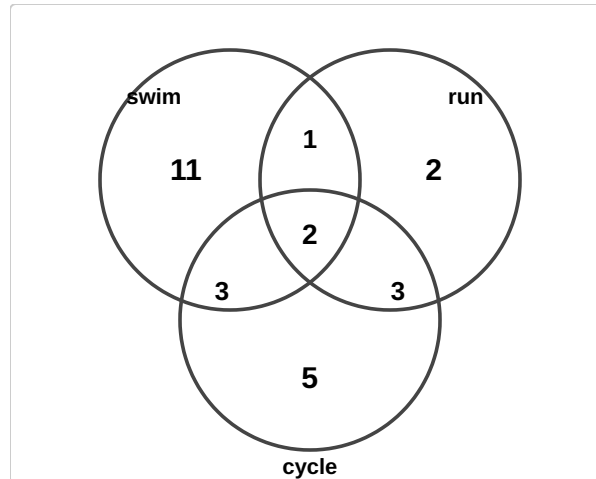
Name: _____

Analyze diagrams, answer questions.

A 3-set Venn diagram shows how three groups overlap. The very center is where all three circles meet.

Example: Circle A: 10. Circle B: 12. Circle C: 8. Center (All 3): 2. How many like ALL three? 2

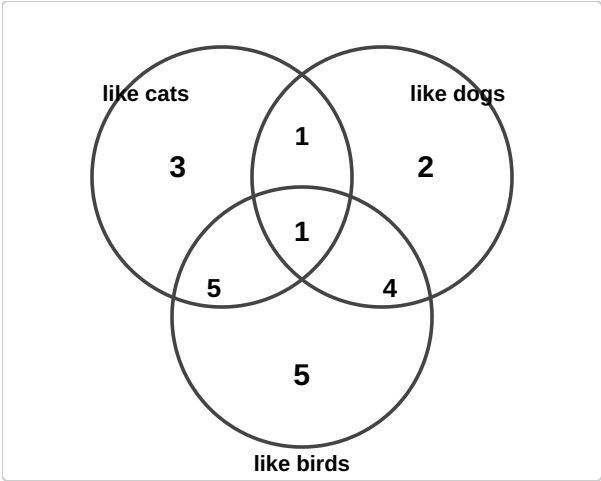
(1) How many students are in "swim" only?



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

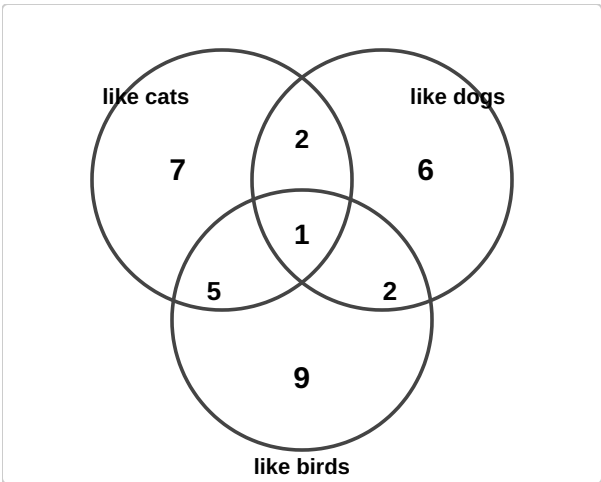


(2) How many students are in "like dogs" only?



- (A) 2 (B) 3 (C) 4 (D) 5

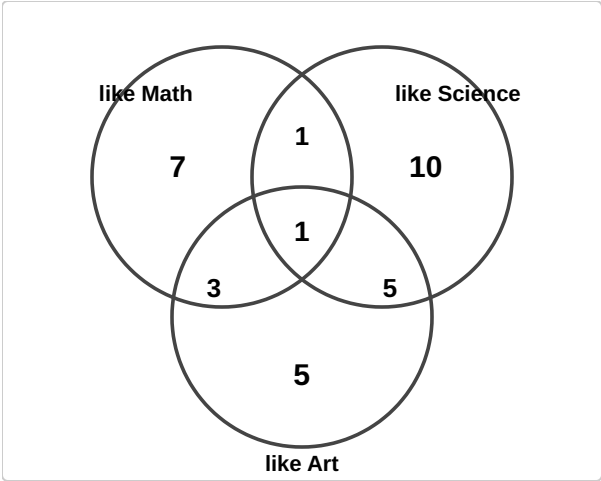
(3) How many students are in "like birds" only?



- (A) 6 (B) 7 (C) 8 (D) 9

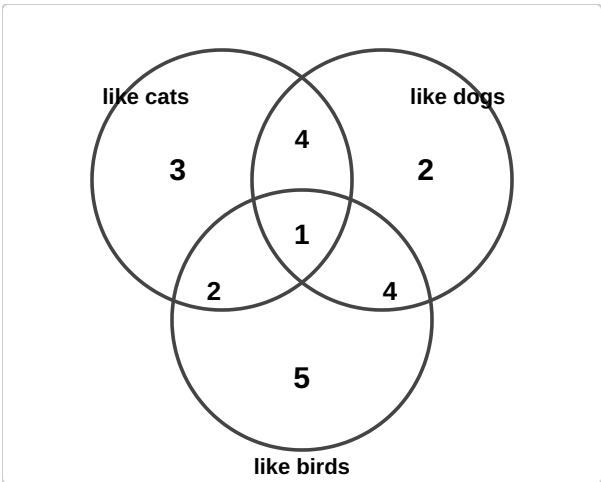


(4) How many students are in all three groups?



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

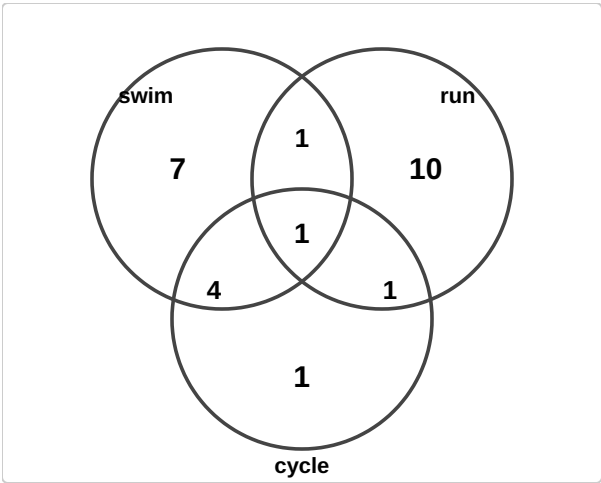
(5) How many students are in both "like cats" and "like dogs"?



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

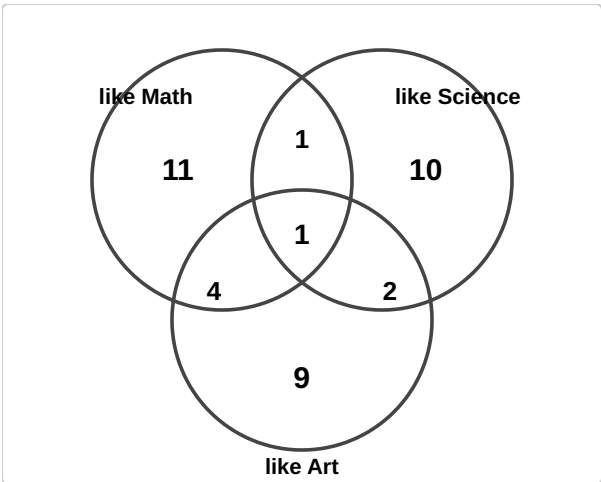


(6) How many students are in "swim" in total?



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

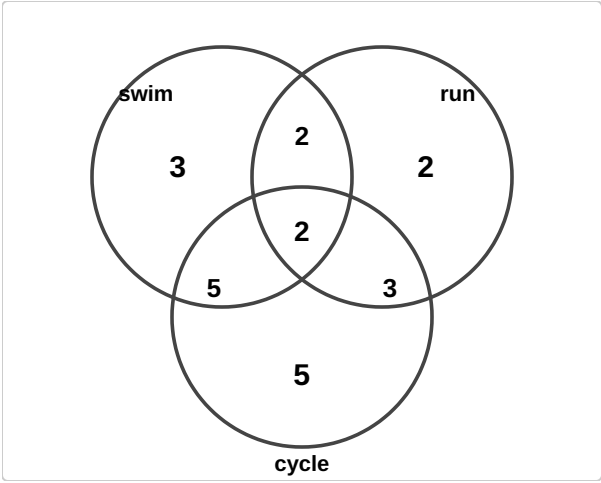
(7) How many students are in at least one group?



- (A) 38 (B) 39 (C) 40 (D) 41

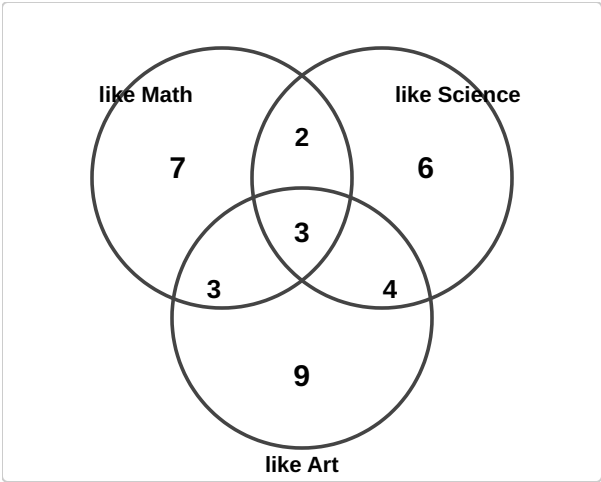


(8) How many students are in exactly one group?



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

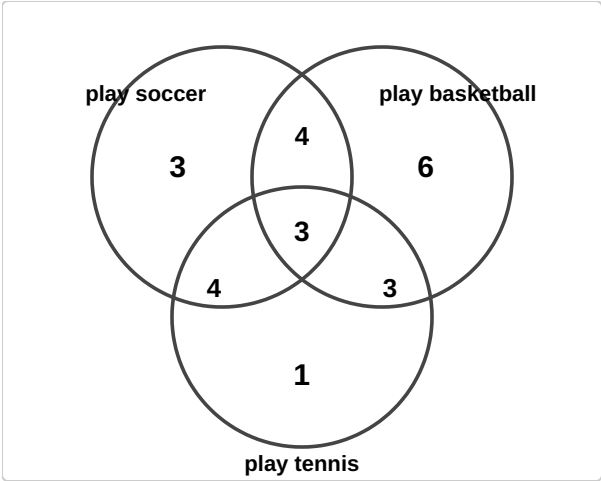
(9) How many students are in "like Math" only?



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

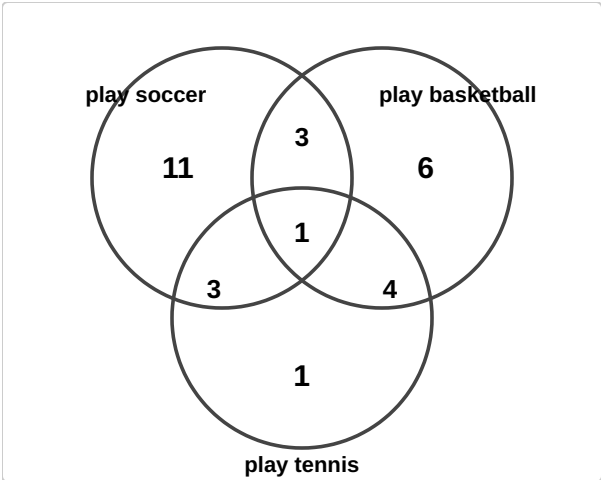


(10) How many students are in "play basketball" only?



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

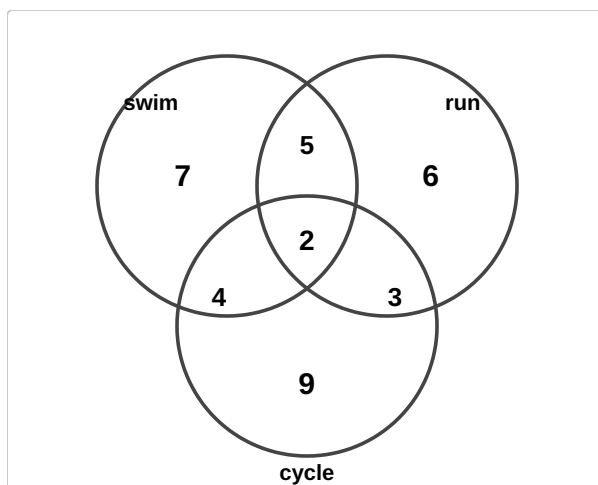
(11) How many students are in "play tennis" only?



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



(12) How many students are in all three groups?



- (A) 2 (B) 3 (C) 4 (D) 5

