



Venn Diagrams: 3 Sets

Grade 5

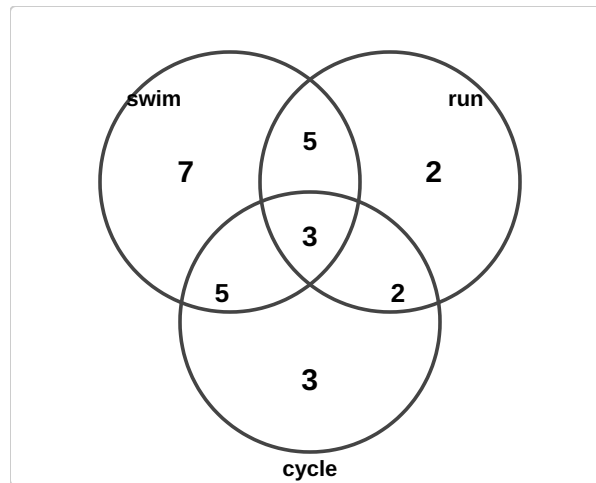
Name: _____

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

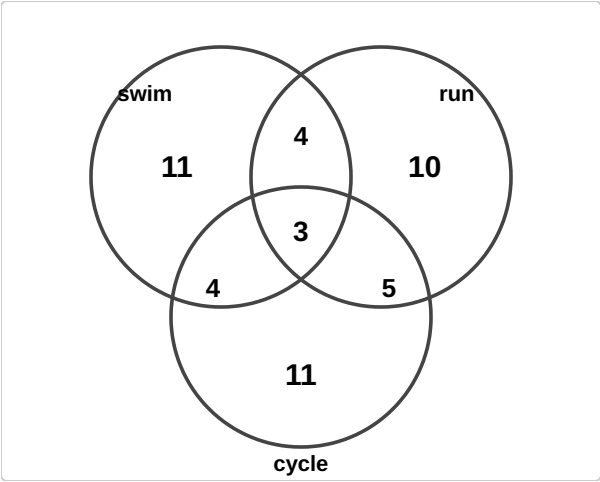
(1) How many students are in "swim" only?



(A) 4 (B) 5 (C) 6 (D) 7

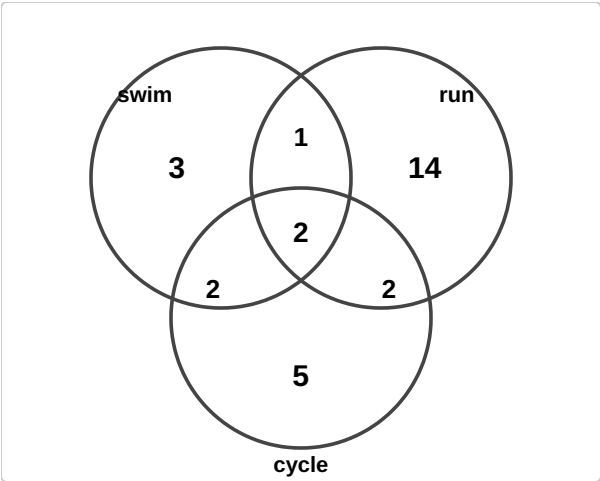


(2) How many students are in "run" only?



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

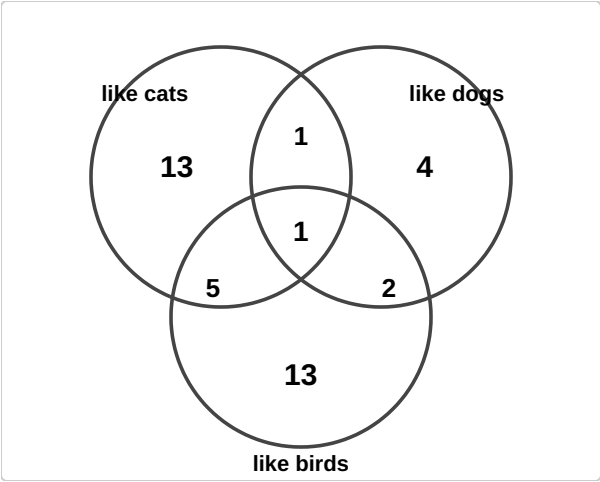
(3) How many students are in "cycle" only?



- (A) 4 (B) 5 (C) 6 (D) 7

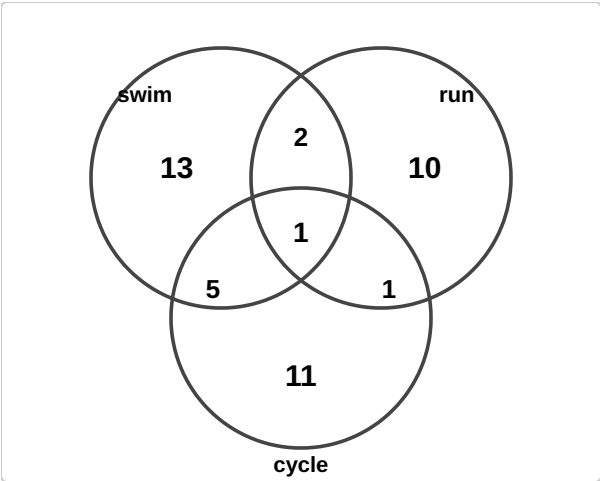


(4) How many students are in all three groups?



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

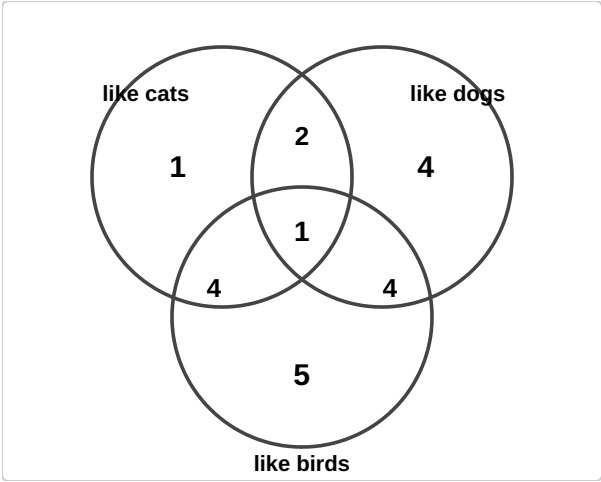
(5) How many students are in both "swim" and "run"?



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

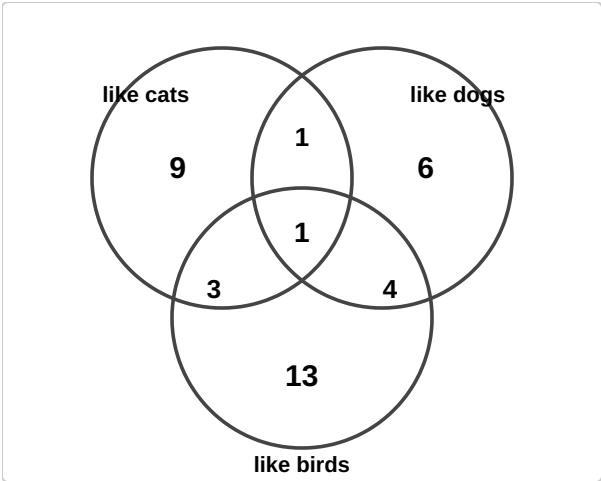


(6) How many students are in "like cats" in total?



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

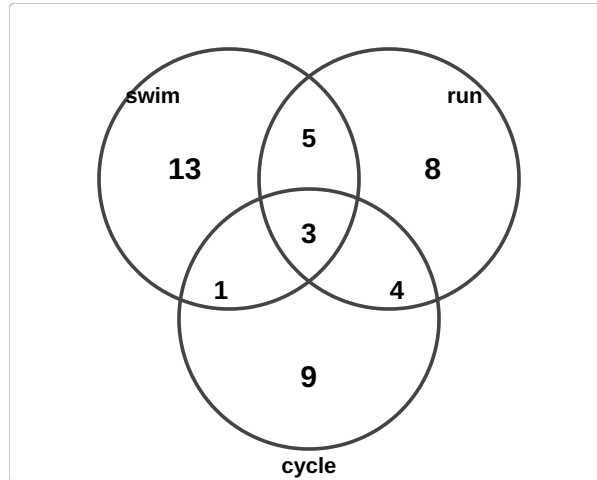
(7) How many students are in at least one group?



- (A) 34 (B) 35 (C) 36 (D) 37

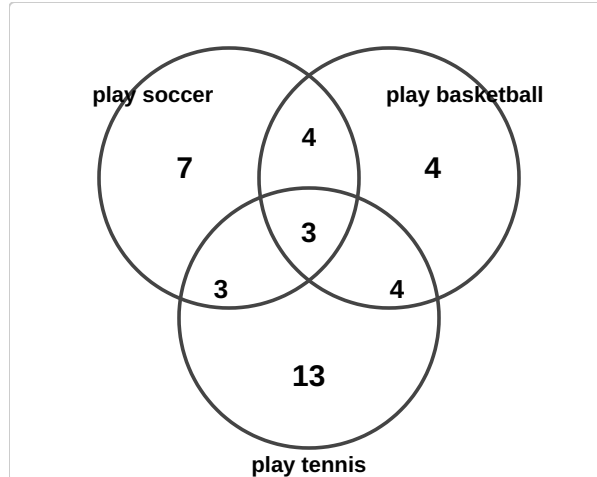


(8) How many students are in exactly one group?



- (A) 28 (B) 29 (C) 30 (D) 31

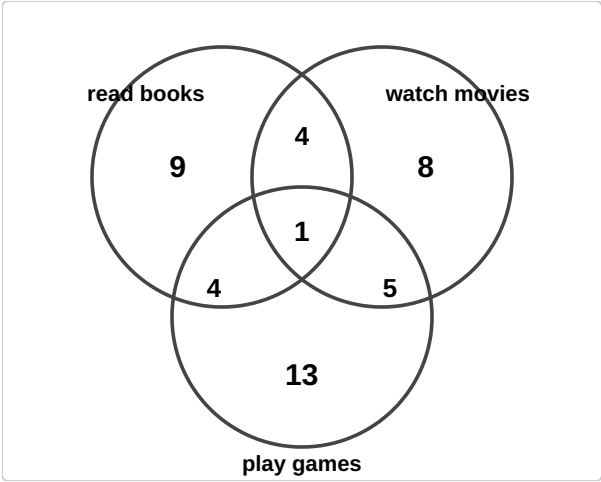
(9) How many students are in "play soccer" only?



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

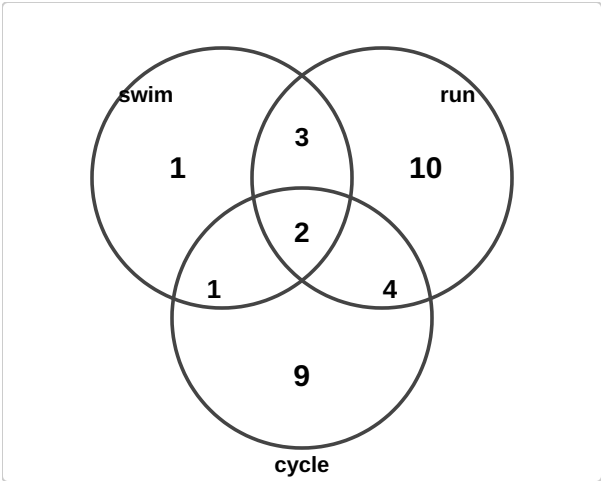


(10) How many students are in "watch movies" only?



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

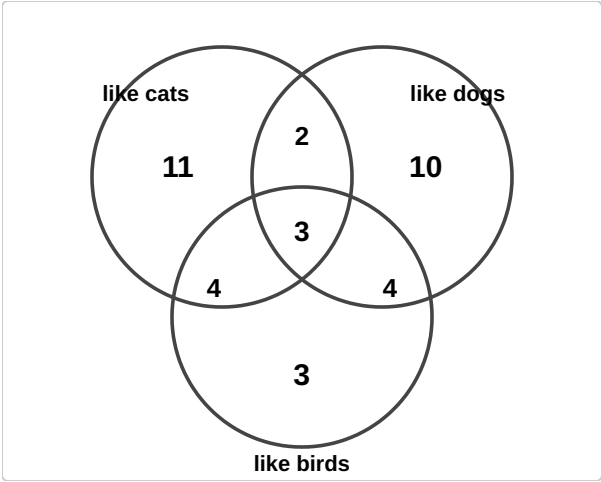
(11) How many students are in "cycle" only?



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



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



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

