



Venn Diagrams: 3 Sets

Grade 5

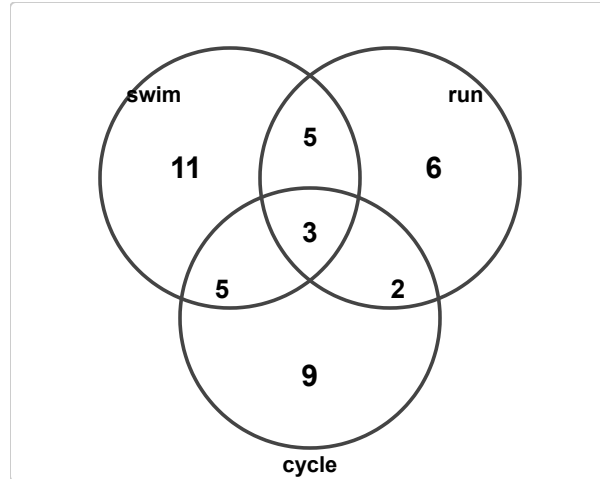
Name: _____

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

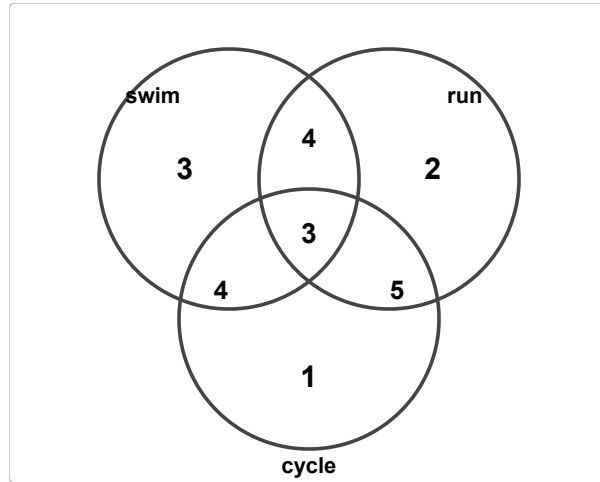
(1) How many students are in "swim" only?



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

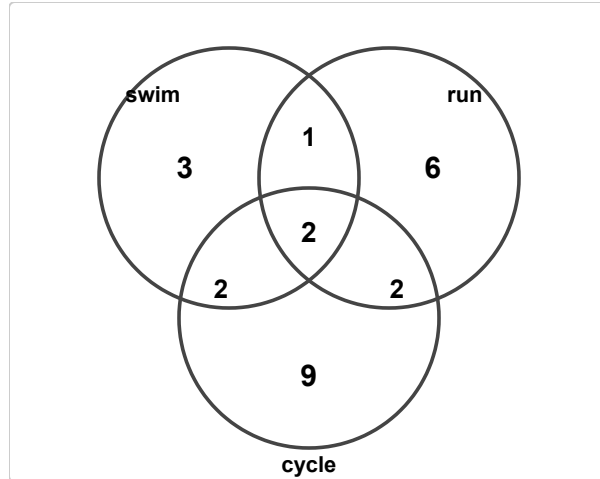


(2) How many students are in "run" only?



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

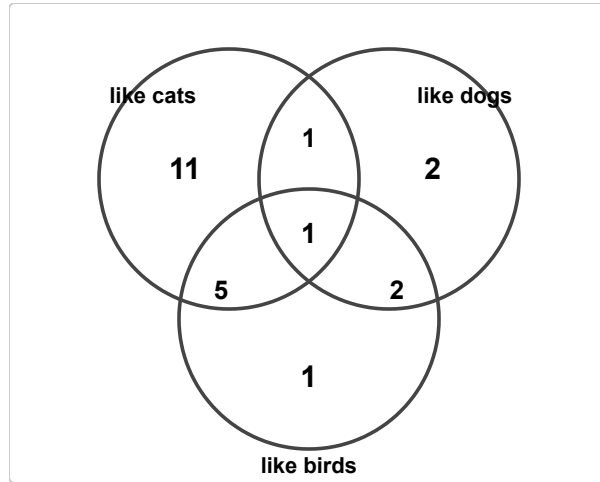
(3) How many students are in "cycle" only?



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

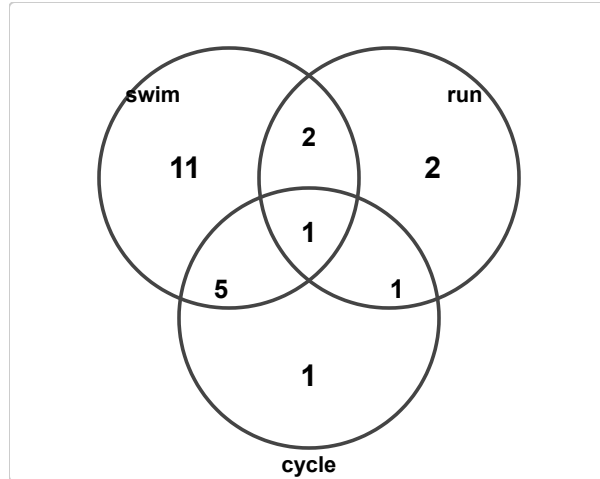


(4) How many students are in all three groups?



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

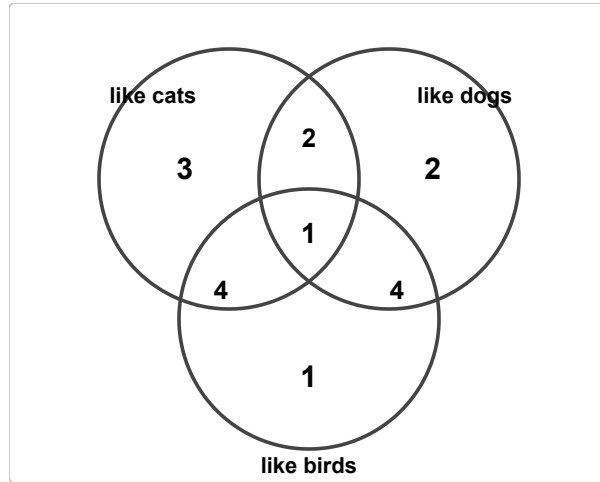
(5) How many students are in both "swim" and "run"?



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

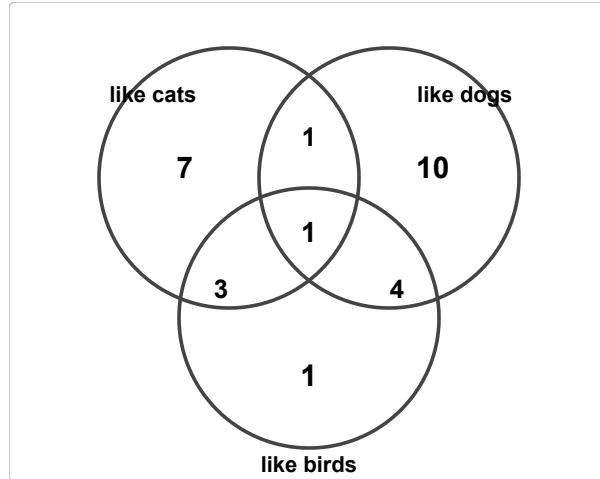


(6) How many students are in "like cats" in total?



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

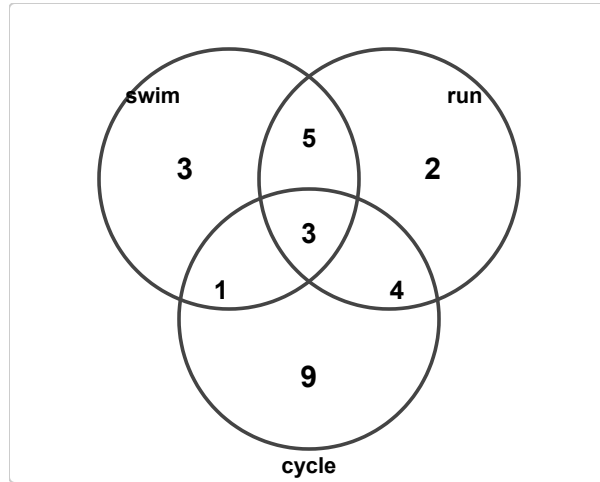
(7) How many students are in at least one group?



- (A) 25 (B) 26 (C) 27 (D) 28

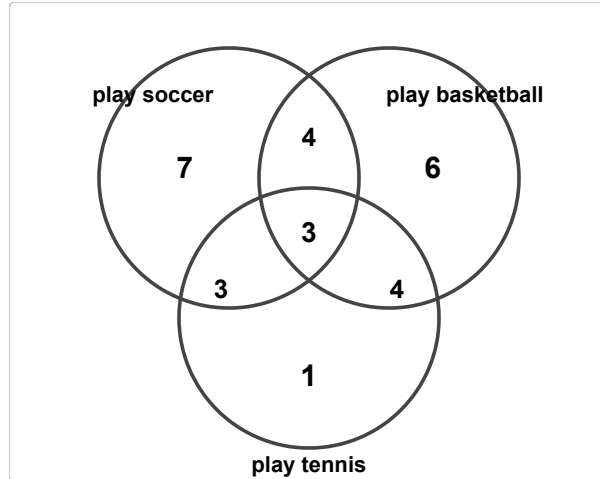


(8) How many students are in exactly one group?



- (A) 12 (B) 13 (C) 14 (D) 15

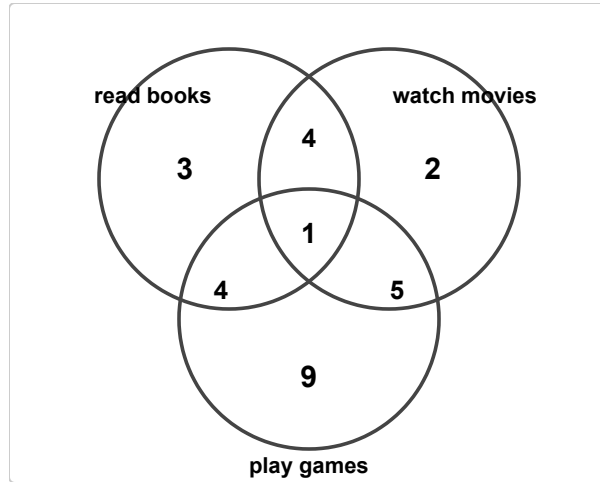
(9) How many students are in "play soccer" only?



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

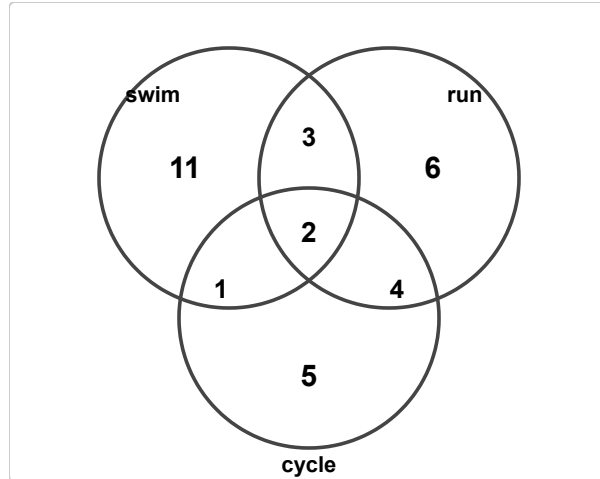


(10) How many students are in "watch movies" only?



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

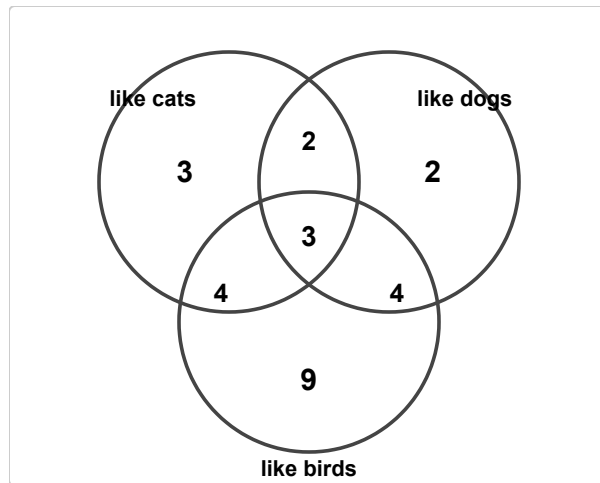
(11) How many students are in "cycle" only?



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



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



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

