



Venn Diagrams: Sorting Numbers

Grade 3

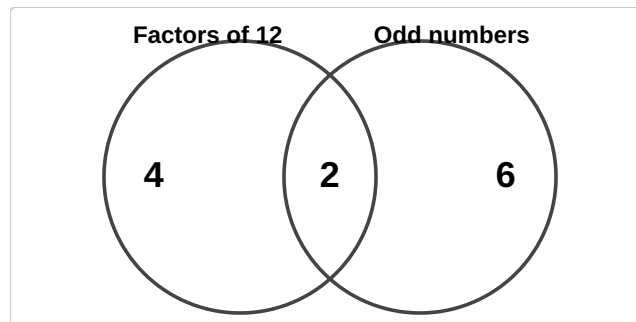
Name: _____

Classify each number into the correct region.

A Venn diagram shows relationships between sets. The middle part is for items that belong to BOTH sets.

Example: Set A: Even Numbers. Set B: Multiples of 5. Where does 10 go? (C) Both

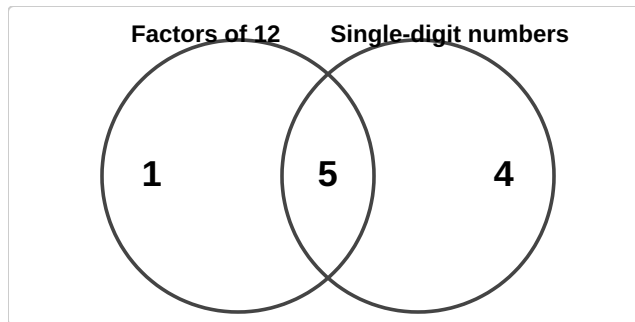
- (1) Numbers 1–16: Set A = Factors of 12, Set B = Odd numbers. How many numbers are in "Factors of 12" only?



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

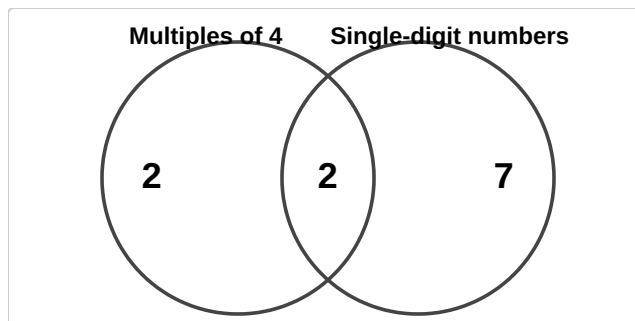


(2) Numbers 1–16: Set A = Factors of 12, Set B = Single-digit numbers. How many numbers are in "Single-digit numbers" only?



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

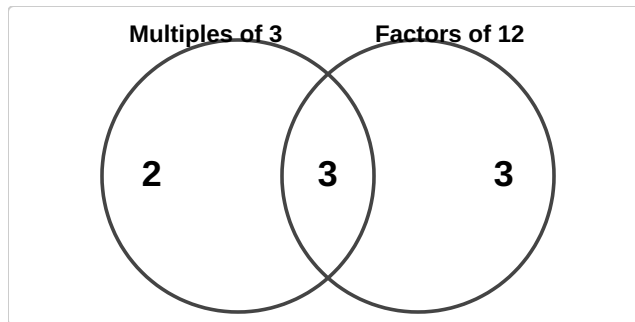
(3) Numbers 1–16: Set A = Multiples of 4, Set B = Single-digit numbers. How many numbers are in both groups?



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

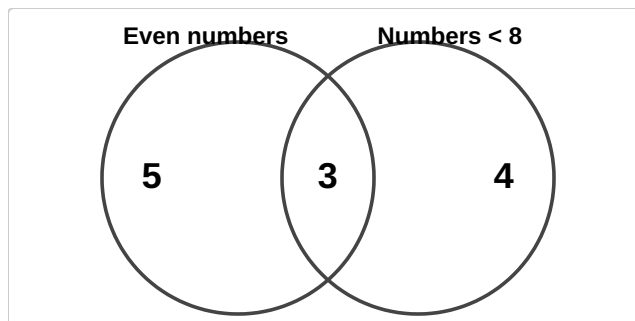


(4) Numbers 1–16: Set A = Multiples of 3, Set B = Factors of 12. How many numbers Multiples of 3?



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

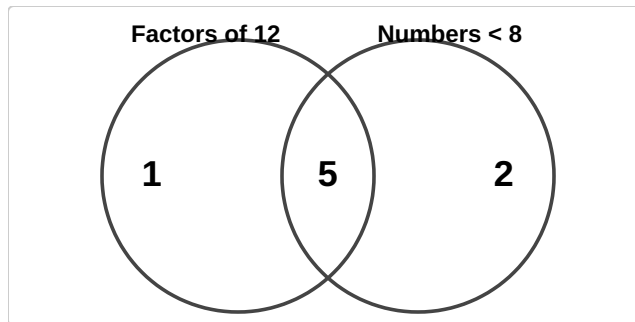
(5) Numbers 1–16: Set A = Even numbers, Set B = Numbers < 8. How many numbers Numbers < 8?



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

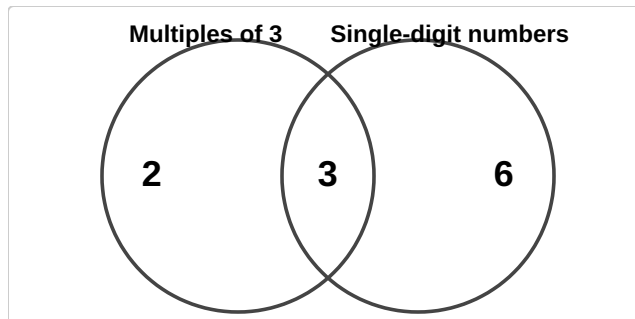


(6) Numbers 1–16: Set A = Factors of 12, Set B = Numbers < 8. How many numbers are in at least one group?



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

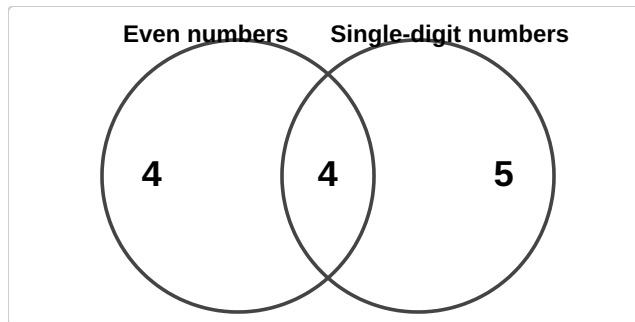
(7) Numbers 1–16: Set A = Multiples of 3, Set B = Single-digit numbers. How many numbers are in exactly one group?



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

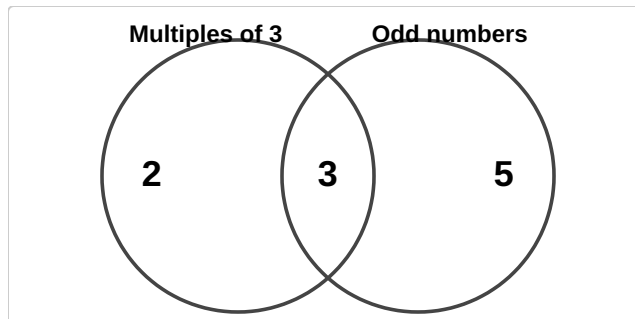


(8) Numbers 1–16: Set A = Even numbers, Set B = Single-digit numbers. How many more numbers Even numbers than Single-digit numbers?



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

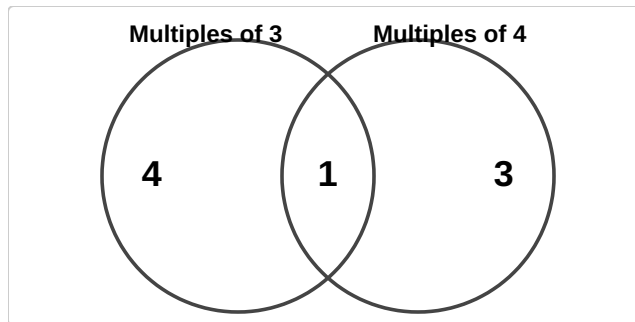
(9) Numbers 1–16: Set A = Multiples of 3, Set B = Odd numbers. How many numbers are in "Multiples of 3" only?



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

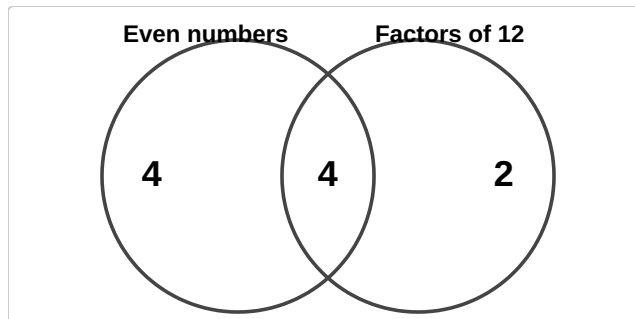


(10) Numbers 1–16: Set A = Multiples of 3, Set B = Multiples of 4. How many numbers are in "Multiples of 4" only?



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

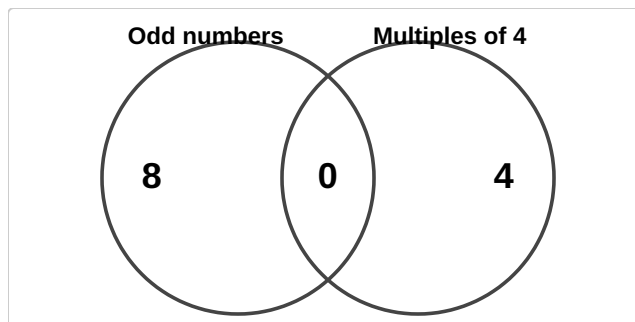
(11) Numbers 1–16: Set A = Even numbers, Set B = Factors of 12. How many numbers are in both groups?



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



(12) Numbers 1–16: Set A = Odd numbers, Set B = Multiples of 4. How many numbers are in both sets?



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

