



## Venn Diagrams: Sorting Numbers

Grade 3

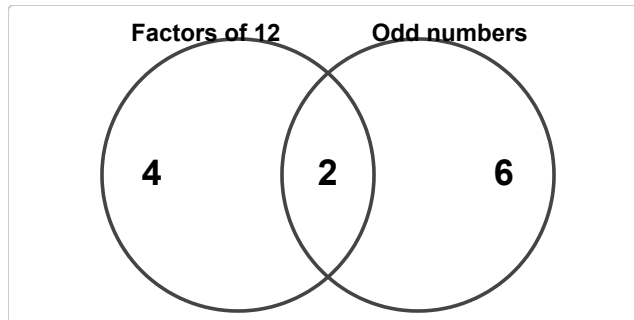
Name: \_\_\_\_\_

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

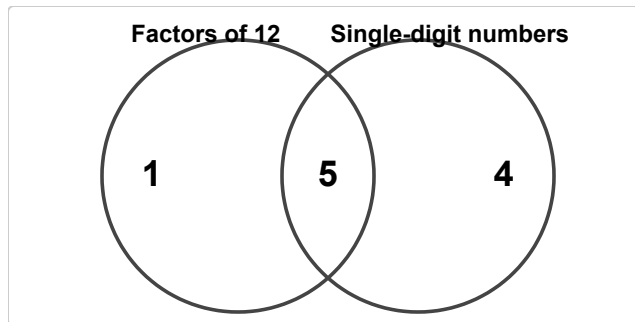
(1) Numbers 1–16: Set A = Factors of 12, Set B = Odd numbers. How many numbers are in "Factors of 12" only?



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

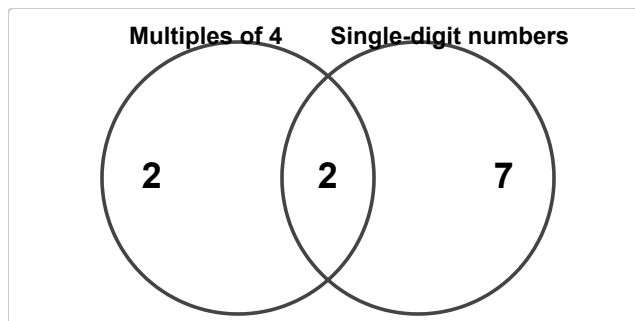


(2) Numbers 1–16: Set A = Factors of 12, Set B = Single-digit numbers. How many numbers are in "Single-digit numbers" only?



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

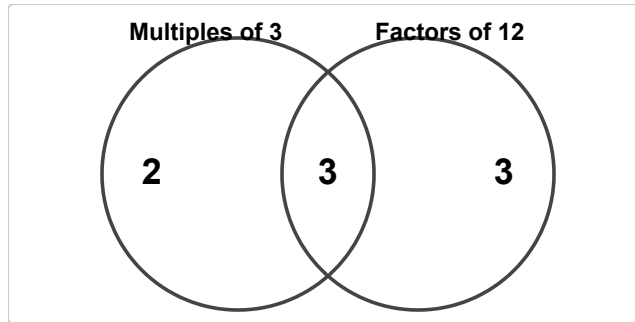
(3) Numbers 1–16: Set A = Multiples of 4, Set B = Single-digit numbers. How many numbers are in both groups?



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

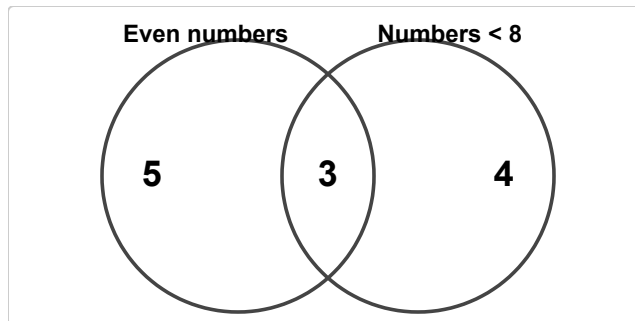


(4) Numbers 1–16: Set A = Multiples of 3, Set B = Factors of 12. How many numbers Multiples of 3?



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

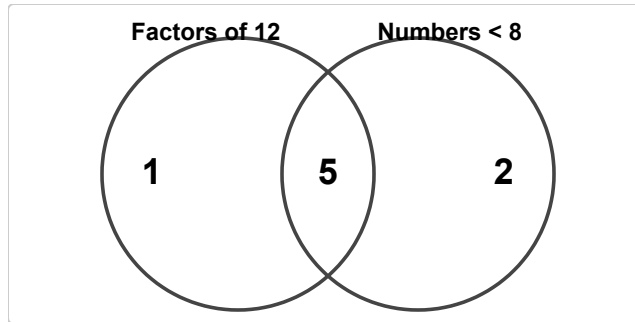
(5) Numbers 1–16: Set A = Even numbers, Set B = Numbers < 8. How many numbers Numbers < 8?



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

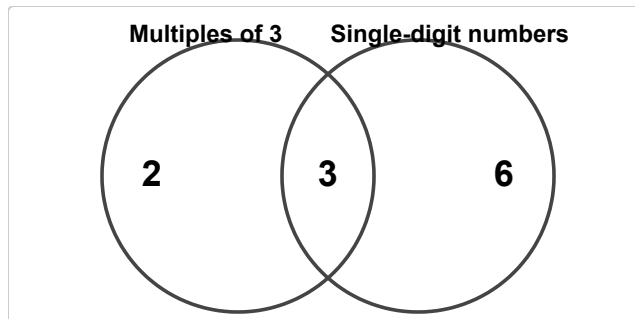


(6) Numbers 1–16: Set A = Factors of 12, Set B = Numbers < 8. How many numbers are in at least one group?



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

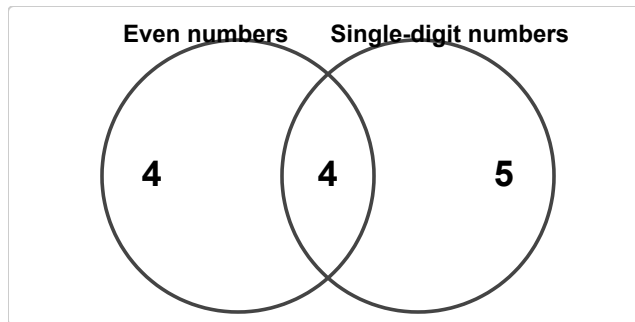
(7) Numbers 1–16: Set A = Multiples of 3, Set B = Single-digit numbers. How many numbers are in exactly one group?



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

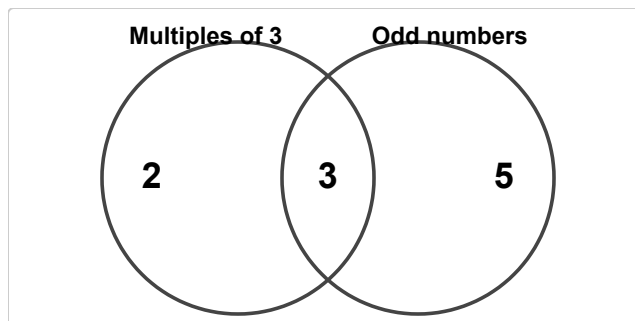


(8) Numbers 1–16: Set A = Even numbers, Set B = Single-digit numbers. How many more numbers Even numbers than Single-digit numbers?



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

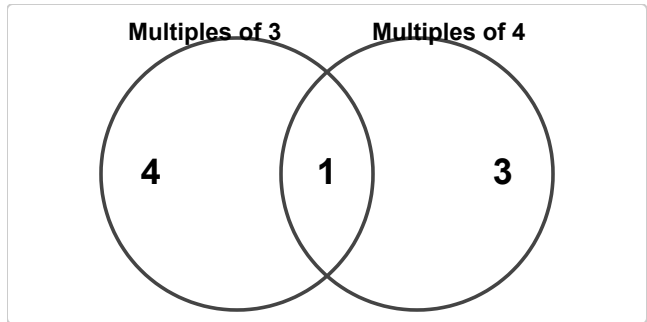
(9) Numbers 1–16: Set A = Multiples of 3, Set B = Odd numbers. How many numbers are in "Multiples of 3" only?



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

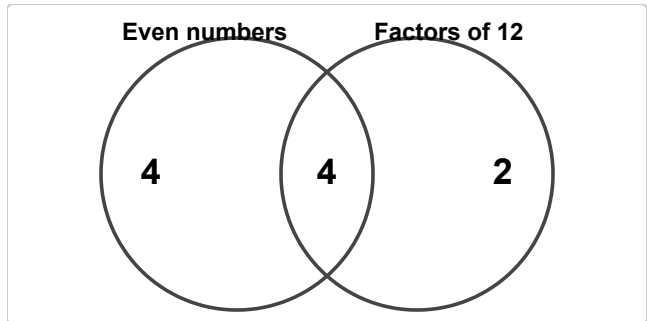


(10) Numbers 1–16: Set A = Multiples of 3, Set B = Multiples of 4. How many numbers are in "Multiples of 4" only?



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

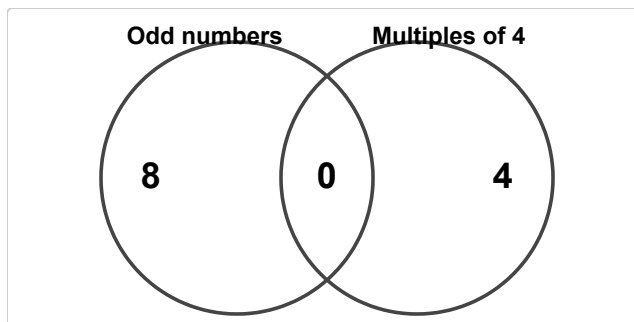
(11) Numbers 1–16: Set A = Even numbers, Set B = Factors of 12. How many numbers are in both groups?



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



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



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

