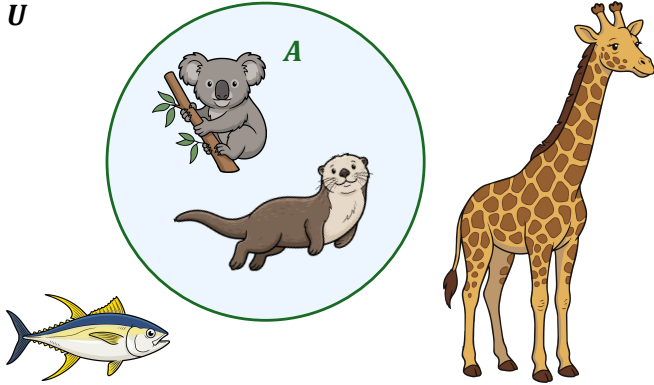


TOPIC: COMPLEMENT OF A SET

Complement of a Set

New	Complement
U 	U = the set of all animals A = the set of animals that can climb trees A' = the set of animals that _____ climb trees. Complement of A: the set of all elements _____ in A $A = A = A$

EXAMPLE

Given the set, find its complement using U = all whole numbers.

(A) T = all whole numbers greater than 3

(B) $\emptyset$

PRACTICE

Find the A' .

(A) $U = \{11, 12, 13, 14, 15, 16\}$

$A = \{12, 15, 16\}$

(B) $U = \{u, v, w, x, y, z\}$

$A = \{v, x, z\}$

TOPIC: COMPLEMENT OF A SET

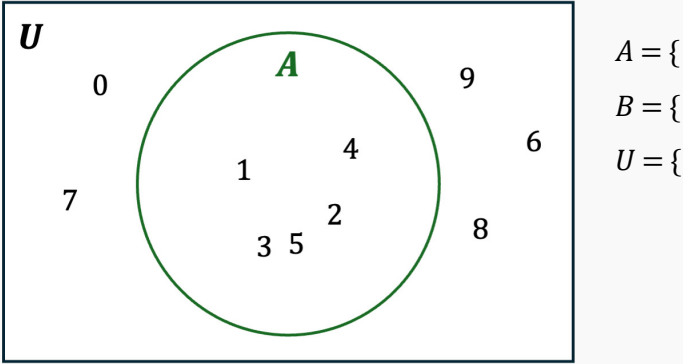
PRACTICE

Write the specified set using the roster method given
 $U = \{1, 2, 3, \dots, 20\}$, $E = \{2, 4, 6, \dots, 20\}$, $F = \{5, 10, 15, 20\}$

(A) E'	(B) F'
(C) U'	(D) $\emptyset'$

PRACTICE

Shade the set the $B = A'$ on the Venn diagram. Then write sets A , B , & U using the roster method.



PRACTICE

Label the Venn diagram with the elements that belong in each set using $U = \{0, 1, 2, \dots, 9\}$, $E = \{0, 2, 4, 6, 8\}$. Then find & shade $O = E'$.

