

U = the set of counting numbers less than or equal to 10, with subsets A, B, C, D, and E, defined as:

A = the set of odd numbers

D = the set of multiples of three

B = the set of even numbers

E = the set of multiples of five

C = the set of prime numbers

List the elements of the following sets.

1. U =

2. A =

3. B =

4. C =

5. D =

6. E =

7. A' =

8. B' =

9. C' =

10. $P(D)$ =

Answer the following questions on sets and subsets.

11. What is $n(A)$?

12. What is $n(B)$?

13. What is $n(C)$?

14. What is $n(D)$?

15. What is $n(E)$?

16. What is $nP(E)$?

17. True or False: $A = B$

18. True or False: $A \leftrightarrow B$

19. True or False: $C \subset B$

20. True or False: D and E are disjoint sets.