

SET LANGUAGE

NAME

CLASS

SEC

DATE

Empty set

Singleton set

State which of the following sets are Empty set or Singleton set:

1. The set of odd number divisible by 2
2. Even numbers which are prime
3. Set of boys in your class whose age is five
4. Set of months with less than 30 days
5. Set of even numbers between 21 and 23
6. $\{x / x \text{ is a month of year with 35 days}\}$
7. $\{x / x+5 = 5\}$
8. The set of women Prime Minister in India.
9. $\{x / 5 < x < 6, x \text{ is a whole number}\}$
10. $\{x / x \text{ is a common point of two parallel lines}\}$
11. $\{x / x \in N \text{ and } x^3 = 64\}$
12. The set of vowels in the word 'Boost'
13. $\{x / x \text{ is an integer } 2 < x < 4\}$
14. The set of squares having five sides
15. $\{x / x \in N, 1 < x < 2\}$