



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



Sub: Arithmetic
Duration: 40 Min

Class: 7
Worksheet Solution 04
SETS

Date: 16.11.20
Full Marks: 15

Choose the correct options:

1. Which one of the following sets is infinite?

- a. The set of whole numbers less than 10
- b. The set of prime numbers less than 10
- c. **The set of integers less than 10**
- d. The set of factors of 10

2. A is the set of factors of 18.

Which of the following is not a member of A?

- a. 2
- b. 3
- c. **5**
- d. 9

3. If $A = \{1, 3, 5, 7, 9\}$ and $B = \{2, 3, 5, 7\}$, what is $A \cup B$?

- a. $\{3, 5, 7\}$
- b. $\{2, 3, 5, 7\}$
- c. $\{2, 3, 5, 7, 9\}$
- d. **$\{1, 2, 3, 5, 7, 9\}$**

4. If $A = \{1, 3, 5, 7, 9\}$ and $B = \{2, 3, 5, 7\}$, what is $A \cap B$?

- a. **$\{3, 5, 7\}$**
- b. $\{2, 3, 5, 7\}$
- c. $\{2, 3, 5, 7, 9\}$
- d. $\{1, 2, 3, 5, 7, 9\}$

5. If $X = \{a, e, i, o, u\}$ and $Y = \{a, b, c, d, e\}$, then what is $Y - X$?

- a. $\{a, e\}$

- b. {i, o, u}
 - c. **{b, c, d}**
 - d. {b, c, d, i, o, u}
6. A well-defined collection of distinct objects having a common property
- a. Group
 - b. Team
 - c. **Set**
 - d. I don't know
7. Object/s in a set
- a. **Element**
 - b. Member
 - c. A person
 - d. A thing
8. The set of all whole numbers is not a well-defined set?
- a. True
 - b. **False**
 - c. Inconclusive
 - d. I don't know
9. The set of amazing artists is a well-defined set?
- a. True
 - b. **False**
 - c. Inconclusive
 - d. I don't know
10. The set of yummy treats is a not well-defined set?
- a. **True**
 - b. False
 - c. Inconclusive
 - d. I don't know
11. We use 2 small letters to name a set?
- a. True
 - b. **False**
 - c. Inconclusive
 - d. I don't know
12. { }
- a. Brackets
 - b. **Braces**
 - c. Border
 - d. Brace
13. ...
- a. Dot

- b. Dots
 - c. **Ellipsis**
 - d. Tutuldok
14. \in
- a. E
 - b. Epitome
 - c. **Epsilon**
 - d. Ephemeral
15. The set of cute puppies is a well-defined set?
- a. True
 - b. **False**
 - c. Inconclusive
 - d. I don't know