

## Venn Diagram

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Study the following Venn diagram and answer the following questions:

1. How many teachers are both players and artists?

A) 164 B) 99 C) 34 D) 133

2. How many artists are players, but not doctors?

A) 3 B) 102 C) 136 D) 22

3. How many teachers are neither artists nor players?

A) 16 B) 27 C) 19 D) 30

4. How many artists are not doctors?

A) 32 B) 176 C) 67 D) 144

5. How many players are neither teachers nor doctors?

A) 129 B) 3 C) 121 D) 11

6. How many teachers are players?

A) 137 B) 57 C) 133 D) 38

7. How many artists are doctors, but neither teachers nor players?

A) 33 B) 0 C) 7 D) 67

**In the following Venn diagram, rectangle represents the persons who know English, rounded rectangle to those who know Assamese, square to those who know Bengali and circle to those who know Hindi. Answer the following questions:**

8. How many persons can speak both Hindi and Bengali, but cannot speak Assamese?

A) 60 B) 168 C) 53 D) 62

9. How many persons can speak Assamese, Hindi and English?

A) 71 B) 309 C) 18 D) 341

10. How many persons can speak English and Bengali both the languages only?

A) 125 B) 23 C) 255 D) 76

11. How many persons can speak both English and Assamese, but cannot speak Bengali?

A) 0 B) 2 C) 44 D) 54

12. How many persons can speak all the languages?

A) 364 B) 360 C) 72 D) 18

13. How many persons cannot speak Hindi, but can speak both English and Assamese?

A) 33 B) 18 C) 147 D) 202

14. How many persons can speak only Bengali?

A) 4 B) 276 C) 55 D) 221

15. How many persons can speak both English and Hindi, but cannot speak Assamese or Bengali?

A) 71 B) 28 C) 53 D) 6

**Answers:**

1. D 2. B 3. C 4. B 5. D 6. A 7. C 8. D 9. C 10. B 11. B 12. D 13. A 14. C 15. D

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