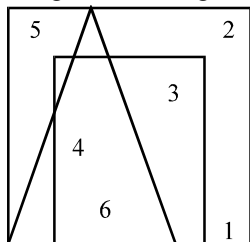


# VENN DIAGRAMS

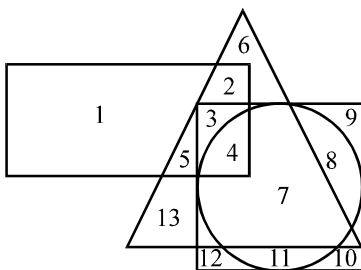
## EXERCISE

1. What is the number which is common to only two geometrical figures?



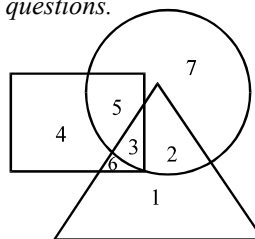
- (a) 4 (b) 3  
(c) 5 (d) 2

**Directions (Qs. 2 and 3) :** In the following diagram, rectangle represents Hindi Announcers, circle represents English Announcers, square represents French Announcers, and triangle represents German Announcers.



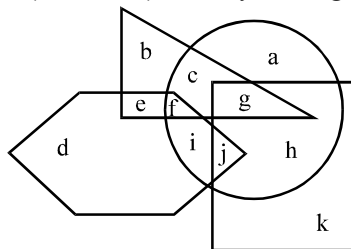
2. Which area represents those announcers who can present programmes in Hindi, French and German only?  
(a) 1 (b) 2  
(c) 3 (d) 4
3. Which area represents those announcers who can present programmes in French and English only?  
(a) 7 (b) 9  
(c) 11 (d) 13

**Directions (Qs. 4 and 5) :** Study the diagram to answer these questions.



4. Which number is in all the geometrical figures?  
(a) 5 (b) 6  
(c) 2 (d) 3
5. Number 6 is in :  
(a) Rectangle and triangle  
(b) Circle and triangle  
(c) Rectangle and circle  
(d) Rectangle only

**Directions ( Qs. 6 to 9) :** In the following diagram



The Circle represents players

The Triangle represents outdoor games

The Hexagon represents indoor games and

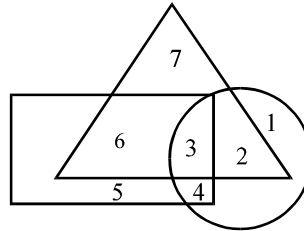
The Square represents national level players

Study the diagram and answer the questions given below :

6. The letter in the section representing the players who play indoor games at national level is :  
(a) f (b) i  
(c) j (d) g

7. The letter representing the section of outdoor as well as indoor game players who do not play at the national level is :  
 (a) c (b) f  
 (c) e (d) i
8. The section representing national level players who do not play either outdoor or indoor games but still come under the category of players is :  
 (a) k (b) g  
 (c) c (d) h
9. Persons who play outdoor games but do not come under the category of players are represented in the section marked :  
 (a) b (b) c  
 (c) a (d) d

**Direction (Qs. 10) :** Study the diagram given below.

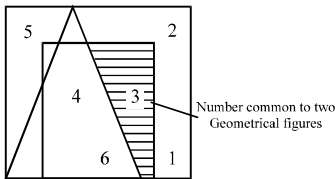


A college provides three different activities, students union represented by triangle, literary society represented by rectangle and social service league represented by circle.

10. Those who take part in both literary society and social service league but not in students union are represented by :  
 (a) 3 & 4 (b) 5 & 6  
 (c) 5 & 1 (d) 4

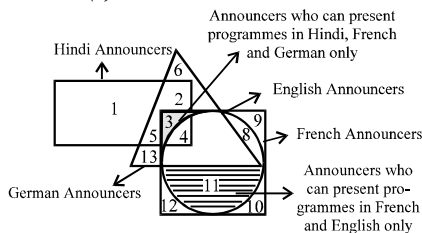
## EXPLANATORY ANSWERS

1. (b) :

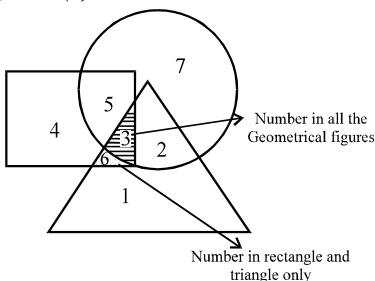


**Note :** Numbers 4 and 6 are common to all three geometrical figures.

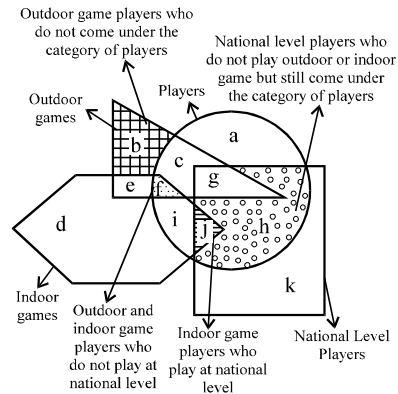
2. (c), 3. (c) :



4. (d), 5. (a) :



6. (c), 7. (b), 8. (d), 9. (a) :



10. (d)

