Q:1 Directions: Each of the questions given below consists of a question following two statements numbered I and II. You have to decide whether the data provided in the statement is sufficient to answer the question. Study the data carefully and answer accordingly.

Five books of different subjects and different numbers of pages are placed one above the other in a stack. How many pages are there in the book placed second from the top?

I. The physics book is placed above the book that has 105 pages. Two books are placed between Geography and Chemistry books. The difference between the number of pages of Chemistry and Hindi books is 16.

II. The book has 125 pages is placed below the book that has 91 pages and placed above the Physics book but not immediately. Only one book is placed above the book that has 91 pages (which is not a Geography book). The physics book doesn't have 125 pages.

1. Only I is sufficient
2. Only II is sufficient
3. Either I or II is sufficient
4. Both I and II are sufficient
5. Neither I nor II is sufficient

Q:2 Directions: Each of the questions given below consists of a question following two statements numbered I and II. You have to decide whether the data provided in the statement is sufficient to answer the question. Study the data carefully and answer accordingly.

Eight people Q, R, S, T, U, V, W, and X are sitting around a circular table facing the center. What is the position of U from V, while counted from the left of V?

I. Q and U are not immediate neighbors. One person sits between Q and R. S sits third to the right of X.

II. V sits second to the right of U. T is not an immediate neighbor of R and X. Four people sit between R and S.

1. Only I is sufficient
2. Only II is sufficient
3. Either I or II is sufficient
4. Both I and II are sufficient
5. Neither I nor II is sufficient

Q:3 Directions: Each of the questions given below consists of a question following two statements numbered I and II. You have to decide whether the data provided in the statement is sufficient to answer the question. Study the data carefully and answer accordingly.

Nine people are born in nine different years i.e. 1955, 1960, 1963, 1974, 1989, 1992, 1996, 2001, and 2007 but not necessarily in the same order. The age is calculated according to the year i.e. 2020. How many people are born after L?

I. Five people are born between L and S. Three people are born between S and U. The age of U is a prime number but less than 50. The difference between the ages of K and the one, who is born immediately before K is a multiple of 6. K is younger than U. S is born before L.

II. K is younger than U. L is born after S. The age of U is a prime number but less than 50. The difference between the ages of K and the one, who is born immediately before K is a multiple of 6. Three people are born between S and U.

1. Only I is sufficient
2. Only II is sufficient
3. Either I or II is sufficient
4. Both I and II are sufficient
5. Neither I nor II is sufficient

Q:4 Directions: Following questions consists of a question and two statements I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Choose your response accordingly among A, B, C, D, and E.

A) If the data in Statement I alone is sufficient to answer the question.

B) If the data in Statement II alone is sufficient to answer the question.

C) If the data either in Statement I alone or in Statement II alone is sufficient to answer the question.

D) If the data in both Statements I and II together are not sufficient to answer the question.

E) If the data in both Statements I and II together are necessary to answer the question.

Five friends A, B, C, D, and E get their heights measured. Who is taller than D?

Statements:

I. B is shorter than A but taller than E.

II. D is taller than A but is not the tallest.

1. A
2. B
3. C
4. D
5. E

Q:5 Directions: Following questions consists of a question and two statements I and II. You have to decide whether the data provided in the statements are sufficient to answer the question. Choose your response accordingly among A, B, C, D, and E.

A) If the data in Statement I alone is sufficient to answer the question.

B) If the data in Statement II alone is sufficient to answer the question.

C) If the data either in Statement I alone or in Statement II alone is sufficient to answer the question.

D) If the data in both Statements I and II together are not sufficient to answer the question.

E) If the data in both Statements I and II together are necessary to answer the question.

What is the code of lives?

Statement I: 'Sagar lives in Agra' is written as 'sa ta ra ga' and 'Agra is city' is written as 'ra pa ba'.

Statement II: 'Hemant lives in city' is written as 'za sa ga pa'.

1. A
2. B
3. C
4. D
5. E

Q:6 Directions: Read the given informations carefully and answer the question.

Seven friends P, Q, R, S, T, U, and V are sitting around a circular table facing inside and playing UNO cards; every person has a different number of cards with them – 2, 3, 4, 5, 6, 7, 8.

How many cards does the person sitting third to the left of T have?

Statement I - T is sitting to the immediate left of S, T has 4 cards while S has 7 cards.

Statement II – P is sitting second place to the right of S, P has 3 cards.

Statement III – U is sitting between P and S with an odd number of cards.

1. Statement I alone is sufficient.
2. Statement I and II are together sufficient.
3. Statement I and III are together sufficient.
4. Statement II and III are together sufficient.
5. Statement I, II, and III together are not sufficient.

Q:7 Directions: A question given below is followed by three statements numbered I, II, and III. You have to decide whether the data provided in the statements are sufficient to answer the question or not. Read both statements and choose the appropriate option.

A) If the data in Statement I alone is sufficient to answer the question.

B) If the data in Statement II alone is sufficient to answer the question.

C) If the data in Statement III alone is sufficient to answer the question.

D) If the data in all Statements I, II, and III together are not sufficient to answer the question.

E) If the data in Statements I, and II or I and III are sufficient to answer the question.

In which month of the same year did Gaurvi visit the Maldives?

I. Gaurvi's mother correctly remembers that Gaurvi visits the Maldives after June, but before October.

II. Gaurvi's brother correctly remembers that Gaurvi visits the Maldives after August, but before December.

III. Gaurvi's father correctly remembers that Gaurvi visits the Maldives in the month of 30 days.

1. A
2. B
3. C
4. D
5. E

Q:8 Directions: A question given below is followed by three statements numbered I, II, and III. You have to decide whether the data provided in the statements are sufficient to answer the question or not. Read both statements and choose the appropriate option.

A) If the data in Statement I alone is sufficient to answer the question.

B) If the data in Statement II alone is sufficient to answer the question.

C) If the data in Statement III alone is sufficient to answer the question.

D) If the data in all Statements I, II, and III together are not sufficient to answer the question.

E) If the data in all Statements I, II, and III together are necessary to answer the question.

Eight members A, B, C, D, E, F, G, and H live in a building having eight floors such that the ground floor is numbered 1 while the top floor is numbered 8 but not necessarily in the same order. On which floor does A live?

I. C lives on an even prime-numbered floor and three

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floors below H.

II. More than 4 people live between C and E who lives immediately above B.

III. A lives immediately above F but below D.

1. A
2. B
3. C
4. D
5. E

Q:9 Directions: A question given below is followed by three statements numbered I, II and III. You have to decide whether the data provided in the statements are sufficient to answer the question or not. Read both statements and choose the appropriate option.

Seven kids viz. A, B, C, D, E, F, and G were born in the same week starting from Monday to Sunday, one on each day. Who is born on Saturday?

I. B is older than only one kid.

II. D is older than at least one of them. F was born immediately after C.

III. At least four persons were born after G. B is younger than 5 kids.

1. Only I and II are sufficient to answer the question
2. Only II and III are sufficient to answer the question
3. All I, II and III are required to answer the question
4. Only I is sufficient to answer the question
5. None of these

Q:10 Directions: Read the given information carefully and decide which among the following statements is/are necessary to answer the question given below.

10 people are sitting in two parallel rows, facing each other. A, B, C, D, E sit in row 2 facing South, not necessarily in the same order. P, Q, R, S, T sit in row 1 facing north, not necessarily in the same order.

Who sits opposite to C?

Statements:

I: C sits in the middle of row 2 and Q sits in the middle of row 1.

II: C sits third from the right end and Q sits third from the left end of their respective rows.

1. The data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.

2. The data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.

3. The data either in statement I alone or in statement II alone is sufficient to answer the question.

4. The data in both statements I and II together is not sufficient to answer the question.

5. The data in both statements I and II together is necessary to answer the question.

Answer Key

1. (2)	**2.** (2)	**3.** (1)	**4.** (5)	**5.** (4)
6. (5)	**7.** (5)	**8.** (5)	**9.** (4)	**10.** (3)

Answers and Solutions

Q:1 The correct answer is **Option 2** i.e. **Only II is sufficient**

I. The physics book is placed above the book that has 105 pages. Two books are placed between Geography and Chemistry books. The difference between the number of pages between Chemistry and Hindi books is 16.

Case 1

Books	Pages
Chemistry/Geography	
Geography/Chemistry	

Case 2

Books	Pages
Chemistry/Geography	
Geography/Chemistry	

We can't determine how many pages are there in the book that is kept at second from the top.

II. The book has 125 pages is placed below the book that has 91 pages and placed above the Physics book but not immediately. Only one book is placed above the book that has 91 pages. (which is not a Geography book). The physics book doesn't have 125 pages.

Books	Pages
	91
	125
Physics	

There are 91 pages in the book that is second from the top.

Hence, the correct answer is **Only II is sufficient.**

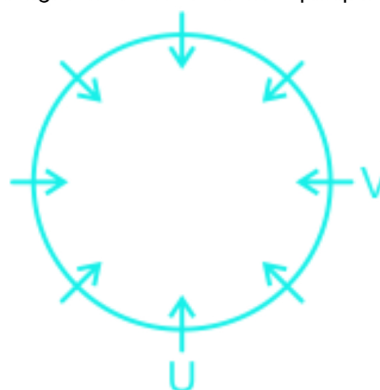**Q:2** The correct answer is **Option 2** i.e. **Only II is sufficient**

I. Q and U are not immediate neighbors. One person sits between Q and R. S sits third to the right of X.

No information about V is given.

So, we can't determine the position of U from V.

II. V sits second to the right of U. T is not an immediate neighbor of R and X. Four people sit between R and S.

From the diagram, we can determine that U is second to the left of V.

Hence, the correct answer is **Only II is sufficient.**

Q:3 The correct answer is **Option 1** i.e. **Only I is sufficient**

I. Five people are born between L and S. Three people are born between S and U. The age of U is a prime number but less than 50. The difference between the ages of K and the one, who is born immediately before K is a multiple of 6. K is younger than U. S is born before L.

Years (age)	Person
1955 (65)	S
1960 (60)	
1963 (57)	
1974 (46)	
1989 (31)	U
1992 (28)	
1996 (24)	L
2001 (19)	
2007 (13)	K

So, 2 people were born after L.

II. K is younger than U. L is born after S. The age of U is a prime number but less than 50. The difference between the ages of K and the one, who is born immediately before K is a multiple of 6. Three people are born between S and U.

Years (age)	Person (Case 1)	Person (Case 2)
1955 (65)	S	
1960 (60)		
1963 (57)		
1974 (46)		S
1989 (31)	U	
1992 (28)		
1996 (24)		
2001 (19)		U
2007 (13)	K	K

We can't determine the birth year of L.

Hence, the correct answer is **Only I is sufficient.**

Q:4 The correct answer is **Option 5** i.e. **E**

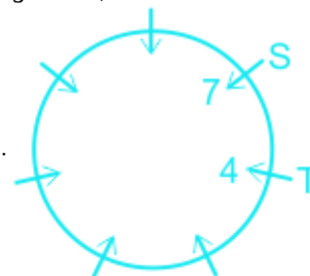| Decoding the statements	Inference
1. B is shorter than A but taller than E. **A > B > E** From statement I, we are not able to determine who is taller than D.	Statement I alone is not sufficient to answer the question
2. D is taller than A but is not the tallest. **...... > D > A** From statement II also, we are not able to determine who is taller than D.	Statement II alone is not sufficient to answer the question
Combining 1 and 2: **C > D > A > B > E** Here we can conclude that C is taller than D.	Hence, the correct answer is **E** i.e. the data in both statements I and II together are necessary to answer the question.

Q:5 The correct answer is **Option 4** i.e. **D**

Understanding	Application
Statement I: 'Sagar lives in Agra' is written as 'sa ta ra ga' and 'Agra is city' is written as 'ra pa ba'. Sagar lives in Agra ⟶ sa ta ra ga Agra is city ⟶ ra pa ba **Statement II:** 'Hemant lives in city' is written as 'za sa ga ka'. Combining I and II: Sagar lives in Agra ⟶ sa ta ra ga Agra is city ⟶ ra pa ba Hemant lives in city ⟶ za sa ga pa	From both statements, we cannot conclude the code of 'lives' as it can be either 'sa' or 'ga'. Hence, the correct answer is **D** i.e. the data in both Statements I and II together are not sufficient to answer the question.

Q:6 The correct answer is **Option 5** i.e, **Statement I, II, and III together are sufficient.**

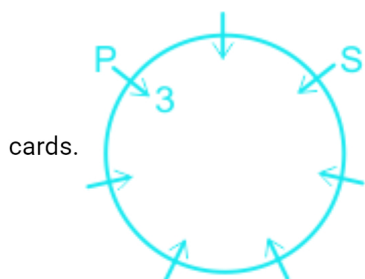T is sitting to the right of S, T has 4 cards while S has 7

numbers of cards.

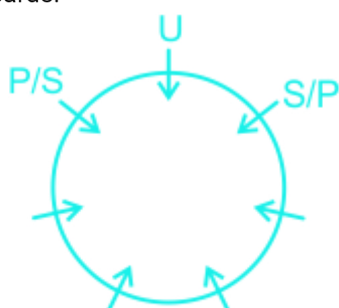P is sitting in second place to the right of S, P has 3

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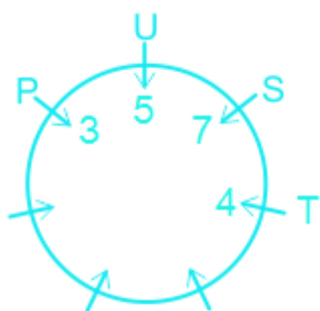thedronas.com

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cards.

U is sitting between P and S with an odd number of cards.

Statement I - T is sitting to the immediate left of S, T has 4 cards while S has 7 cards.

Statement II – P is sitting in second place to the right of S, P has 3 cards.

Statement III – U is sitting between P and S with an odd number of cards.

We still cannot find the number of cards that the person sitting third to the left of T has.

Hence, the correct answer is **Statement I, II, and III together are not sufficient.**

Q:7 The correct answer is **Option 5** i.e. **E**

From statement I:

Gaurvi's mother correctly remembers that Gaurvi visits the Maldives after June, but before October i.e. 3 months July, August, and September.

From statement II:

Gaurvi's brother correctly remembers that Gaurvi visits the Maldives after August, but before December i.e. September, October, and November.

From statement III:

Gaurvi's father correctly remembers that Gaurvi visits the Maldives in the month of 30 days.

From I and II, Gaurvi visits the Maldives in September.

From I and III, Gaurvi visits the Maldives in September.

Hence, the correct answer is **E**.

Q:8 The correct answer is **Option 5** i.e. **E**

I. C lives on an even prime-numbered floor and three floors below H.

Floors	Persons
8	
7	
6	
5	H
4	
3	
2	C
1	

II. More than 4 people live between C and E who lives immediately above B.

From I and II,

Floors	Persons
8	E
7	B
6	
5	H
4	
3	
2	C
1	

III. A lives immediately above F but below D.

From I, II, and III,

Floors	Persons
8	E
7	B
6	D
5	H
4	A
3	F
2	C
1	G

Clearly, A lives on the 4th floor i.e. all statements together

are sufficient to answer the question.
Hence, the correct answer is **E**.

Q:9 The correct answer is **Option 4** i.e **Only I is sufficient to answer the question**
I. B is older than only one kid.

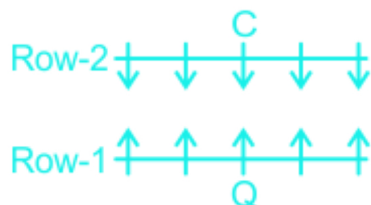| Days	Person
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	B
Sunday	

So, we get our answer that B was born on Saturday.
Hence, the correct answer is **Only I is sufficient to answer the question.**

Q:10 The correct answer is **Option 3** i.e. **The data either in statement I alone or in statement II alone is sufficient to answer the question**
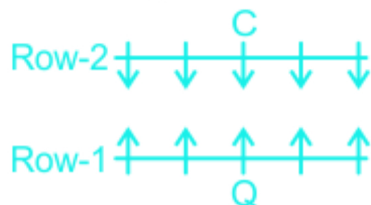**Statements:**
I: C sits in the middle of row 2 and Q sits in the middle of row 1: We can easily infer that Q sits opposite to C.

It is clear from the diagram that Q sits opposite to C.
Statement I alone is sufficient to answer the question.
II: C sits third from the right end and Q sits third from the left end of their respective rows: We can easily identify that Q sits opposite to C.

It is clear from the diagram that Q sits opposite to C.
Statement II alone is sufficient to answer the question.
Hence, the correct answer is **The data either in statement I alone or in statement II alone is sufficient to answer the question.**