Questions: 1 to 32 Section: Data Interpretation & Logical Reasoning

Change Section here

Refer to the data below and answer the questions that follow.

Jenny, Samantha and Shiji hosted their birthday parties on 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> May, not necessarily in the same order. The total number of guests, who attended their parties, were three consecutive even numbers. 150 guests attended the party on 11<sup>th</sup> May. Maximum possible number of guests attended Samantha's party while least possible number of guests attended Jenny's party, which was not on 12<sup>th</sup> May. 50 guests were common in all the three parties.

1) If the maximum possible number of guests attended exactly two parties, then how many guests attended both Shiji's and Samantha's party but not Jenny's party?

Enter your response (as an integer) using the virtual keyboard in the box provided.

Video Explanation:

Previous Next Exit Review

Questions: 1 to 32

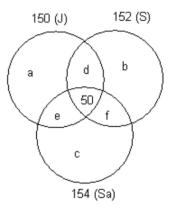
Jenny, Samantha and Shiji hosted their birthday parties on 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> May, not necessarily in the same order. The total number of guests, who attended their parties, were three consecutive even numbers. 150 guests attended the party on 11<sup>th</sup> May. Maximum possible number of guests attended Samantha's party while least possible number of guests attended Jenny's party, which was not on 12<sup>th</sup> May. 50 guests were common in all the three parties.

Using the given information, we have the following possible cases:

	Case I	Case II	Case III	Case IV
10th May	148 (J)	152 (S)	154 (Sa)	146 (J)
11th May	150 (S)	150 (J)	150 (J)	150 (Sa)
12th May	152 (Sa)	154 (Sa)	152 (S)	148 (S)

Note: 'J' stands for Jenny, 'S' stands for Shiji and 'Sa' stands for Samantha in the table given above.

To get the maximum number of guests, who attended exactly two parties, we must consider the case II or case III. It is known that 50 guests were common in all the three parties, so now we have to minimize the number of guests who attended exactly one party, i.e. 0.



$$d + e = 100$$

$$d + f = 102$$

$$e + f = 104$$

Thus, 
$$2 (d + e + f) = 100 + 102 + 104 = 306$$

$$d + e + f = 153$$
.

Since, 
$$d + e = 100$$
;

Thus, 
$$f = 153 - 100 = 53$$

Therefore, the required answer is 53.

### **Correct Answer:**

Time taken by you: 0 secs

Avg Time taken by all students: 17 secs

Your Attempt: Skipped

% Students got it correct: 3 %

2) If the minimum possible number of guests attended exactly two parties, then how many guests attended only Jenny's party? Questions: 1 to 32 Section : Data Interpretation & Logical Reasoning

Change Section here

Refer to the data below and answer the questions that follow.

Jenny, Samantha and Shiji hosted their birthday parties on 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> May, not necessarily in the same order. The total number of guests, who attended their parties, were three consecutive even numbers. 150 guests attended the party on 11<sup>th</sup> May. Maximum possible number of guests attended Samantha's party while least possible number of guests attended Jenny's party, which was not on 12<sup>th</sup> May. 50 guests were common in all the three parties.

100

Cannot be determined

**Video Explanation:** 

Explanation:

Using the given information, we have the following possible cases:

	Case I	Case II	Case III	Case IV
10th May	148 (J)	152 (S)	154 (Sa)	146 (J)
11th May	150 (S)	150 (J)	150 (J)	150 (Sa)
12th May	152 (Sa)	154 (Sa)	152 (S)	148 (S)

Note: 'J' stands for Jenny, 'S' stands for Shiji and 'Sa' stands for Samantha in the table given above.

If the minimum number of guests attended exactly two parties. i.e. 0, then number of guests who attended only Jenny's party can be (148-50) or (150-50) or (146-50). Thus it can be 98 or 100 or 96.

Hence, [4].

**Correct Answer:** 

Time taken by you: **0** secs

Avg Time taken by all students: 45 secs

Your Attempt: Skipped

% Students got it correct: 30 %

### 3) Additional information:

1. The number of guests who attended both Jenny's and Samantha's parties but not Shiji's party was same as the number of guests who attended both Samantha's and Shiji's parties but not Jenny's party.

Further, among the guests who attended exactly two parties, no guest attended both Shiji's and Jenny's parties.

2. Samantha's party was on 11th May.

If the number of guests who attended both Jenny's and Samantha's parties but not Shiji's party was maximum, then how many guests attended exactly one party?

Previous Next Exit Review

Section : Data Interpretation & Logical Reasoning and in the box provided Change Section here Questions: 1 to 32

### Refer to the data below and answer the questions that follow.

Jenny, Samantha and Shiji hosted their birthday parties on 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> May, not necessarily in the same order. The total number of guests, who attended their parties, were three consecutive even numbers. 150 guests attended the party on 11<sup>th</sup> May. Maximum possible number of guests attended Samantha's party while least possible number of guests attended Jenny's party, which was not on 12<sup>th</sup> May. 50 guests were common in all the three parties.

Video Explanation:	
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# **Explanation:**

Using the given information, we have the following possible cases:

	Case I	Case II	Case III	Case IV
10th May	148 (J)	152 (S)	154 (Sa)	146 (J)
11th May	150 (S)	150 (J)	150 (J)	150 (Sa)
12th May	152 (Sa)	154 (Sa)	152 (S)	148 (S)

Note: 'J' stands for Jenny, 'S' stands for Shiji and 'Sa' stands for Samantha in the table given above.

As Samantha's party was hosted on 11th May; only case IV is valid.

Let the number of guests who attended both Jenny's and Samantha's parties but not Shiji's party and the number of guests who attended both Samantha's and Shiji's parties but not Jenny's party be p.

The number of guests, who attended only Jenny's party

The number of guests, who attended only Samantha's party be t.

The number of guests, who attended only Shiji's party be

$$s + p = 96$$

$$u + p = 98$$

$$t + 2p = 100$$

To maximise p, t must be minimum, i.e. 0

Then, 
$$2p = 100$$
; thus,  $p = 50$ 

Therefore, 
$$s = 46$$
;  $u = 48$ 

Number of guests, who attended exactly one party = 46 +

Therefore, the required answer is 94.

# **Correct Answer:**

Time taken by you: **0 secs** 

Avg Time taken by all students: 70 secs

Your Attempt: Skipped

% Students got it correct: 26 %

Questions: 1 to 32 Section: Data Interpretation & Logical Reasoning

Change Section here

1

### Refer to the data below and answer the questions that follow.

Jenny, Samantha and Shiji hosted their birthday parties on 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> May, not necessarily in the same order. The total number of guests, who attended their parties, were three consecutive even numbers. 150 guests attended the party on 11<sup>th</sup> May. Maximum possible number of guests attended Samantha's party while least possible number of guests attended Jenny's party, which was not on 12<sup>th</sup> May. 50 guests were common in all the three parties.

4)	Additional	information
----	------------	-------------

1. The number of guests who attended both Jenny's and Samantha's parties but not Shiji's party was same as the number of guests who attended both Samantha's and Shiji's parties but not Jenny's party.

Further, among the guests who attended exactly two parties, no guest attended both Shiji's and Jenny's parties.

2. Samantha's party was on 11th May.

If the total number of guests who attended at least one of these three parties was 274, then how many guests attended only Shiji's party?

Enter your response (as an integer) using the virtual keyboard in the box provided.

	_	
Video	Exp	lanation:

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Previous

Next

**Exit Review** 

Questions: 1 to 32

Jenny, Samantha and Shiji hosted their birthday parties on 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> May, not necessarily in the same order. The total number of guests, who attended their parties, were three consecutive even numbers. 150 guests attended the party on 11<sup>th</sup> May. Maximum possible number of guests attended Samantha's party while least possible number of guests attended Jenny's party, which was not on 12<sup>th</sup> May. 50 guests were common in all the three parties.

Using the given information, we have the following possible cases:

	Case I	Case II	Case III	Case IV
10th May	148 (J)	152 (S)	154 (Sa)	146 (J)
11th May	150 (S)	150 (J)	150 (J)	150 (Sa)
12th May	152 (Sa)	154 (Sa)	152 (S)	148 (S)

Note: 'J' stands for Jenny, 'S' stands for Shiji and 'Sa' stands for Samantha in the table given above.

Samantha's party was hosted on 11<sup>th</sup> May; only case IV is valid.

Let the number of guests who attended both Jenny's and Samantha's parties but not Shiji's party and the number of guests who attended both Samantha's and Shiji's parties but not Jenny's party be p.

The number of guests, who attended only Jenny's party be s.

The number of guests, who attended only Samantha's party be t.

The number of guests, who attended only Shiji's party be u.

$$s + p = 96$$

$$u + p = 98$$

$$t + 2p = 100$$

$$4p + s + u + t = 294$$
 ..... (i)

Also given to us : 
$$2p + s + u + t + 50 = 274$$

$$2p + s + u + t = 224$$
 ..... (ii)

Subtracting (ii) from (i)

$$p = 35$$

The number of guests who attended only Shiji's party; u = 148 - 50 - 35 = 63

Therefore, the required answer is 63.

### **Correct Answer:**

Time taken by you: **0** secs

Avg Time taken by all students: 42 secs

Your Attempt: Skipped

% Students got it correct: 22 %

Previous

Next

Exit Review

Questions: 1 to 32 Section: Data Interpretation & Logical Reasoning

Change Section here

Refer to the data below and answer the questions that follow.

Loading...

Jenny, Samantha and Shiji hosted their birthday parties on 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> May, not necessarily in the same order. The total number of guests, who attended their parties, were three consecutive even numbers. 150 guests attended the party on 11<sup>th</sup> May. Maximum possible number of guests attended Samantha's party while least possible number of guests attended Jenny's party, which was not on 12<sup>th</sup> May. 50 guests were common in all the three parties.

Previous Next Exit Review

The tables below give the total marks and the marks in individual subjects (some of which are missing in the second table) scored by five students.

Students	Total marks
Amit	320
Babu	320
Chetan	351
Durga	440
Esha	300

Students	Subjects					
Students	Mathematics	English	Hindi	Geography	History	
Amit						
Babu		50		96		
Chetan						
Durga		82	94		88	
Esha	75	50			75	
Total	400	272		402		

Listed below are some conditions:

- Maximum marks per subject are 100 and passing marks are 40.
- Each student passed in all the subjects and scored marks only in integer values.
- In 3 subjects, Amit had 3 different scores, that were squares of integers. In Geography and History, he had equal marks and these were not squares of integers.
- Chetan scored 4 marks more in Geography than in Mathematics and 6 marks more in Hindi than in English.
- Amit's highest score was in Mathematics.
- Babu's highest score was 96 in Geography. Chetan got more marks in Geography than any other student, which was a prime number.
- Except Mathematics, all scores of Chetan were prime numbers.
- Babu scored equal marks in Hindi and History.
- Esha scored 10 marks more in Geography than in Hindi.

Given these conditions, find the missing data and answer the following questions.

1)

What is the sum of the marks scored by all the five students in Hindi?

Enter your response (as an integer) using the virtual keyboard in the box provided.

314

**Video Explanation:** 

**Explanation:** 

Chetan got more marks in Geography than any other student, which was a prime number.

Therefore, Chetan's Geography score is a prime number between 96 and 100.

- ⇒ Chetan's Geography score = 97
- ∴ Chetan's Mathematics score = 97 4 = 93

Esha scored 300 - (75 + 50 + 75) = 100 in Hindi and Geography together. For her, Hindi + 10 =Geography

∴ Esha's score in Hindi = 45 and score in Geography = 55

Since, Amit got 3 different square numbers as scores in Mathematics, English and Hindi, which can be either (49, 64, 81) or (49, 81, 100).

⇒ Amit's score in Geography = score in History = 63 or 45

If Amit's score in Geography = 45, then Durga's score in Geography = 402 - (45 + 96 + 97 + 55) = 109, which is not possible.

∴ Amit's score in Geography = score in Histroy = 63.

Amit's highest score was in Mathematics i.e., 81.

If Amit's score in English would be 64, then Chetan's score in English < 40

- : Amit's scores in English and Hindi were 49 and 64, respectively.
- $\therefore$  Chetan's score in English = 272 (49 + 50 + 82 + 50) = 41 and score in Hindi = 6 + 41 = 47 and score in History = 73
- ⇒ Durga's score in Geography = 91 and Mathematics = 85
- ⇒ Babu's score in score in Mathematics = 66 and score in Hindi = score in History = 54

The sum of the marks scored by all the five students in Hindi = 304. Therefore the required answer is 304.

Correct Answer:

Time taken by you: 1517 secs

Questions: 5 to 32 Section: Data Interpretation & Logical Reasoning Avg Time taken by all students: 54

Change Section here

# Refer to the data below and answer the questions that follow.

The tables below give the total marks and the marks in individual subjects (some of which are missing in the second table) scored by five students.

Students	Total marks
Amit	320
Babu	320
Chetan	351
Durga	440
Esha	300

Students	Subjects				
Students	Mathematics	English	Hindi	Geography	History
Amit					
Babu		50		96	
Chetan					
Durga		82	94		88
Esha	75	50		·	75
Total	400	272		402	

Listed below are some conditions:

- Maximum marks per subject are 100 and passing marks are 40.
- Each student passed in all the subjects and scored marks only in integer values.
- In 3 subjects, Amit had 3 different scores, that were squares of integers. In Geography and History, he had equal marks and these were not squares of integers.
- Chetan scored 4 marks more in Geography than in Mathematics and 6 marks more in Hindi than in English.
- Amit's highest score was in Mathematics.
- Babu's highest score was 96 in Geography. Chetan got more marks in Geography than any other student, which was a prime number.
- Except Mathematics, all scores of Chetan were prime numbers.
- Babu scored equal marks in Hindi and History.
- Esha scored 10 marks more in Geography than in Hindi.

Given these conditions, find the missing data and answer the following questions.

.,			
Y	our Attempt: <b>Wrong</b>		
%	Students got it correct: <b>56 %</b>		
	nong all the students, who sco Mathematics?	red the maximum marks	-
•	Chetan		
	Amit		
	Durga		
	Cannot be determined		
\	/ideo Explanation:		~

The tables below give the total marks and the marks in individual subjects (some of which are missing in the second table) scored by five students.

Students	Total marks
Amit	320
Babu	320
Chetan	351
Durga	440
Esha	300

Students			ıbjects		
Students	Mathematics	English	Hindi	Geography	History
Amit					
Babu		50		96	
Chetan					
Durga		82	94		88
Esha	75	50			75
Total	400	272		402	

Listed below are some conditions:

- Maximum marks per subject are 100 and passing marks are 40.
- Each student passed in all the subjects and scored marks only in integer values.
- In 3 subjects, Amit had 3 different scores, that were squares of integers. In Geography and History, he had equal marks and these were not squares of integers.
- Chetan scored 4 marks more in Geography than in Mathematics and 6 marks more in Hindi than in English.
- Amit's highest score was in Mathematics.
- Babu's highest score was 96 in Geography. Chetan got more marks in Geography than any other student, which was a prime number.
- Except Mathematics, all scores of Chetan were prime numbers.
- Babu scored equal marks in Hindi and History.
- Esha scored 10 marks more in Geography than in Hindi.

Given these conditions, find the missing data and answer the following questions.

Chetan got more marks in Geography than any other student, which was a prime number.

Therefore, Chetan's Geography score is a prime number between 96 and 100.

- ⇒ Chetan's Geography score = 97
- : Chetan's Mathematics score = 97 4 = 93

Esha scored 300 - (75 + 50 + 75) = 100 in Hindi and Geography together. For her, Hindi + 10 = Geography

: Esha's score in Hindi = 45 and score in Geography = 55

Since, Amit got 3 different square numbers as scores in Mathematics, English and Hindi, which can be either (49, 64, 81) or (49, 81, 100).

⇒ Amit's score in Geography = score in History = 63 or 45

If Amit's score in Geography = 45, then Durga's score in Geography = 402 - (45 + 96 + 97 + 55) = 109, which is not possible.

∴ Amit's score in Geography = score in Histroy = 63.

Amit's highest score was in Mathematics i.e., 81.

If Amit's score in English would be 64, then Chetan's score in English < 40

- $\div$  Amit's scores in English and Hindi were 49 and 64, respectively.
- $\therefore$  Chetan's score in English = 272 (49 + 50 + 82 + 50) = 41 and score in Hindi = 6 + 41 = 47 and score in History = 73
- ⇒ Durga's score in Geography = 91 and Mathematics = 85
- ⇒ Babu's score in score in Mathematics = 66 and score in Hindi = score in History = 54

Among all the students, Chetan scored the maximum marks in Mathematics.

Hence, [1].

**Correct Answer:** 

Time taken by you: 61 secs

Avg Time taken by all students: 173 secs

Your Attempt: Correct

% Students got it correct: 72 %

3)

The difference between Babu and Chetan's scores in History is:

Previous

Next

**Exit Review** 

The tables below give the total marks and the marks in individual subjects (some of which are missing in the second table) scored by five students.

Students	Total marks
Amit	320
Babu	320
Chetan	351
Durga	440
Esha	300

Students		Su	bjects	;	
Students	Mathematics	English	Hindi	Geography	History
Amit					
Babu		50		96	
Chetan					
Durga		82	94		88
Esha	75	50		·	75
Total	400	272		402	

### Listed below are some conditions:

- Maximum marks per subject are 100 and passing marks are 40.
- Each student passed in all the subjects and scored marks only in integer values.
- In 3 subjects, Amit had 3 different scores, that were squares of integers. In Geography and History, he had equal marks and these were not squares of integers.
- Chetan scored 4 marks more in Geography than in Mathematics and 6 marks more in Hindi than in English.
- Amit's highest score was in Mathematics.
- Babu's highest score was 96 in Geography. Chetan got more marks in Geography than any other student, which was a prime number.
- Except Mathematics, all scores of Chetan were prime numbers.
- Babu scored equal marks in Hindi and History.
- Esha scored 10 marks more in Geography than in Hindi.

Given these conditions, find the missing data and answer the following questions.

19

11

23

# **Video Explanation:**

# Explanation:

Chetan got more marks in Geography than any other student, which was a prime number.

Therefore, Chetan's Geography score is a prime number between 96 and 100.

- ⇒ Chetan's Geography score = 97
- ∴ Chetan's Mathematics score = 97 4 = 93

Esha scored 300 - (75 + 50 + 75) = 100 in Hindi and Geography together. For her, Hindi + 10 = Geography

∴ Esha's score in Hindi = 45 and score in Geography = 55

Since, Amit got 3 different square numbers as scores in Mathematics, English and Hindi, which can be either (49, 64, 81) or (49, 81, 100).

⇒ Amit's score in Geography = score in History = 63 or 45

If Amit's score in Geography = 45, then Durga's score in Geography = 402 - (45 + 96 + 97 + 55) = 109, which is not possible.

: Amit's score in Geography = score in Histroy = 63.

Amit's highest score was in Mathematics i.e., 81.

If Amit's score in English would be 64, then Chetan's score in English < 40

- $\div$  Amit's scores in English and Hindi were 49 and 64, respectively.
- $\therefore$  Chetan's score in English = 272 (49 + 50 + 82 + 50) = 41 and score in Hindi = 6 + 41 = 47 and score in History = 73
- ⇒ Durga's score in Geography = 91 and Mathematics = 85
- ⇒ Babu's score in score in Mathematics = 66 and score in Hindi = score in History = 54

The difference between Babu and Chetan's scores in History = 73 - 54 = 19. Hence, [3].

### **Correct Answer:**

Time taken by you: **161 secs** 

Avg Time taken by all students: 58 secs

Your Attempt: Correct

% Students got it correct: 75 %

The tables below give the total marks and the marks in individual subjects (some of which are missing in the second table) scored by five students.

Students	Total marks
Amit	320
Babu	320
Chetan	351
Durga	440
Esha	300

Students			bjects		
Students	Mathematics	English	Hindi	Geography	History
Amit					
Babu		50		96	
Chetan					
Durga		82	94		88
Esha	75	50		·	75
Total	400	272		402	

Listed below are some conditions:

- Maximum marks per subject are 100 and passing marks are 40.
- · Each student passed in all the subjects and scored marks only in integer values.
- In 3 subjects, Amit had 3 different scores, that were squares of integers. In Geography and History, he had equal marks and these were not squares of integers.
- Chetan scored 4 marks more in Geography than in Mathematics and 6 marks more in Hindi than in English.
- Amit's highest score was in Mathematics.
- Babu's highest score was 96 in Geography. Chetan got more marks in Geography than any other student, which was a prime number.
- Except Mathematics, all scores of Chetan were prime numbers.
- Babu scored equal marks in Hindi and History.
- Esha scored 10 marks more in Geography than in Hindi.

Given these conditions, find the missing data and answer the following questions.

### 4) What is Chetan's score in English?

Enter your response (as an integer) using the virtual keyboard in the box provided.

41

Video Explanation:

#### **Explanation:**

Chetan got more marks in Geography than any other student, which was a prime number.

Therefore, Chetan's Geography score is a prime number between 96 and 100.

- Chetan's Geography score = 97
- ∴ Chetan's Mathematics score = 97 4 = 93

Esha scored 300 - (75 + 50 + 75) = 100 in Hindi and Geography together. For her, Hindi + 10 = Geography

: Esha's score in Hindi = 45 and score in Geography = 55

Since, Amit got 3 different square numbers as scores in Mathematics, English and Hindi, which can be either (49, 64, 81) or (49, 81, 100).

⇒ Amit's score in Geography = score in History = 63 or 45

If Amit's score in Geography = 45, then Durga's score in Geography = 402 - (45 + 96 + 97 + 55) = 109, which is not possible.

: Amit's score in Geography = score in Histroy = 63.

Amit's highest score was in Mathematics i.e., 81.

If Amit's score in English would be 64, then Chetan's score in English < 40

- : Amit's scores in English and Hindi were 49 and 64, respectively.
- : Chetan's score in English = 272 (49 + 50 + 82 + 50) = 41 and score in Hindi = 6 + 41 = 47 and score in History = 73
- ⇒ Durga's score in Geography = 91 and Mathematics = 85
- ⇒ Babu's score in score in Mathematics = 66 and score in Hindi = score in History = 54

Chetan's score in English is 41. Therefore, the required answer is 41.

Avg Time taken by all students: 154 secs

Your Attempt: Correct

% Students got it correct: 86 %

# Refer to the data below and answer the questions that follow.

The tables below give the total marks and the marks in individual subjects (some of which are missing in the second table) scored by five students.

_		
	Students	Total marks
	Amit	320
	Babu	320
	Chetan	351
	Durga	440
Γ	Esha	300

Students		Su	ıbjects	;	
Students	Mathematics	English	Hindi	Geography	History
Amit					
Babu		50		96	
Chetan					
Durga		82	94		88
Esha	75	50			75
Total	400	272		402	

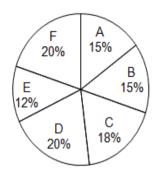
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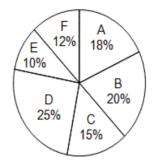
### Listed below are some conditions:

- Maximum marks per subject are 100 and passing marks are 40.
- Each student passed in all the subjects and scored marks only in integer values.
- In 3 subjects, Amit had 3 different scores, that were squares of integers. In Geography and History, he had equal marks and these were not squares of integers.
- Chetan scored 4 marks more in Geography than in Mathematics and 6 marks more in Hindi than in English.
- Amit's highest score was in Mathematics.
- Babu's highest score was 96 in Geography. Chetan got more marks in Geography than any other student, which was a prime number.
- Except Mathematics, all scores of Chetan were prime numbers.
- Babu scored equal marks in Hindi and History.
- Esha scored 10 marks more in Geography than in Hindi.

Given these conditions, find the missing data and answer the following questions.

A, B, C, D, E and F are the only six products sold by a dealer. Pie chart 1 shows the product wise distribution of the total profit earned by him. Pie chart 2 indicates the product wise share of the total sales turnover (value wise). Profit percentage is the profit expressed as a percentage of the sales turnover.





- If the profit percentage on product A is  $33\frac{1}{2}$ %, then what is the overall profit percentage of the dealer?
- 30
- 33
- 36
- 40

**Video Explanation:** 

### **Explanation:**

From the chart 1, we know that product A has earned 15% of the total profit earned. Also, from chart 2 we know that from product A we get, 18% of the total sales turnover.

Now, given the profit percentage on A =  $\frac{100}{3}$ %

Let the overall profit percentage be P.

$$\therefore \frac{15}{18} \times P = \frac{100}{3}$$

P = 40%

The overall profit percentage of the dealer = 40%

Hence, [4].

**Correct Answer:** 

Time taken by you: 0 secs

Avg Time taken by all students: 311 secs

Your Attempt: Skipped

% Students got it correct: 80 %

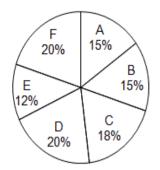
For which product is the profit percentage the least?

Α

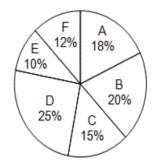
- В
- D
- Cannot be determined

**Previous** Next **Exit Review** 

A, B, C, D, E and F are the only six products sold by a dealer. Pie chart 1 shows the product wise distribution of the total profit earned by him. Pie chart 2 indicates the product wise share of the total sales turnover (value wise). Profit percentage is the profit expressed as a percentage of the sales turnover.



Questions: 9 to 32



### **Explanation:**

As the profit percentage of a product is directly proportional to ratio of the profit earned by the product to the share of the product in the total sales turnover.

∴ The product with the least profit percentage is B. Hence, [2].

### **Correct Answer:**

Time taken by you: **0 secs** 

Avg Time taken by all students: 95 secs

Your Attempt: Skipped

% Students got it correct: 58 %

3)

If the overall profit percentage is 40%, then what is the profit percentage on product D?

- 32%
- 28%
- 24%
- 20%

**Video Explanation:** 

**Explanation:** 

Let the profit percentage on product D be x.

 $\therefore \ \frac{20}{25} \times \frac{40}{100} = \frac{x}{100}$ 

Which gives x = 32%.

Hence, [1].

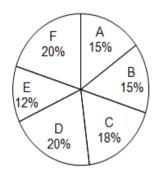
Correct Answer:

Time taken by you: 0 secs

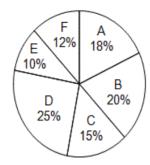
Avg Time taken by all students: 65 secs

Your Attempt: Skipped

A, B, C, D, E and F are the only six products sold by a dealer. Pie chart 1 shows the product wise distribution of the total profit earned by him. Pie chart 2 indicates the product wise share of the total sales turnover (value wise). Profit percentage is the profit expressed as a percentage of the sales turnover.



Questions: 9 to 32



- 4) What is the ratio of profit percent of C to the profit percent of E?
  - 3:2
- 6:5
- 1:1
- Cannot be determined

**Video Explanation:** 

**Explanation:** 

Profit percent on 
$$C = \frac{18x}{15y} = \frac{6x}{5y}$$

Profit percent on E = 
$$\frac{12x}{10y} = \frac{6x}{5y}$$

∴ Required ratio = 1:1.

Hence, [3].

**Correct Answer:** 

Time taken by you: **0 secs** 

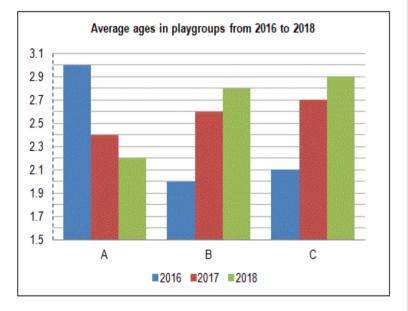
Avg Time taken by all students: 55 secs

Your Attempt: Skipped

% Students got it correct: 72 %

Loading...

A small institution runs playgroups in three different villages — A, B and C. The maximum capacity of these playgroups is 10, 20 and 30 children respectively. Children in the age group 1-4 years are taken care of in one of these playgroups. Once a child attains the age of 5, he/she has to leave the playgroup and take admission in a primary school. The following graph shows the average age of the children at these three playgroups (A, B and C) in the years 2016 to 2018 when these playgroups were full to capacity. Only 1-year old children took admissions in these playgroups. No child left the playgroup in the middle of the term.



1) In playgroup A, in 2016, what was the total number \_ of children aged less than or equal to 2 years?

4

3

2

1

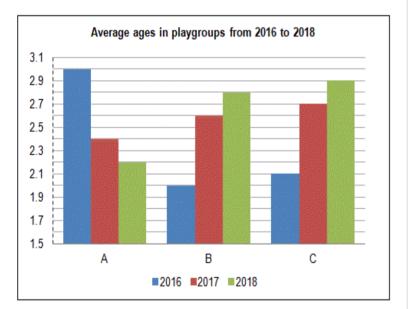
**Video Explanation:** 

Previous

Next

**Exit Review** 

A small institution runs playgroups in three different villages — A, B and C. The maximum capacity of these playgroups is 10, 20 and 30 children respectively. Children in the age group 1-4 years are taken care of in one of these playgroups. Once a child attains the age of 5, he/she has to leave the playgroup and take admission in a primary school. The following graph shows the average age of the children at these three playgroups (A, B and C) in the years 2016 to 2018 when these playgroups were full to capacity. Only 1-year old children took admissions in these playgroups. No child left the playgroup in the middle of the term.



It is given that all the classrooms were full to capacity in the given years.

∴ Number of children leaving the playgroups = Number of children admitted.

Thus, for any of the given year we can get the following table:

Year	2016					201	7		2018			
Age	1	2	3	4	1	2	3	4	1	2	3	4
Α	а	b	С	d	d	а	b	С	С	d	а	b
В	р	q	r	S	5	р	q	r	r	5	р	q
С	W	X	у	Z	Z	W	X	у	у	Z	W	X

Where a, b, c, d, p, q, r, s, w, x, y and z are the number of children in the given playgroup in the given year.

For A, in 2016, 
$$a + 2b + 3c + 4d = 30$$
 ... (I)

Subtract I from II, we get:

$$a + b + c - 3d = -6$$

But, 
$$a + b + c + d = 10$$
 (capacity of playgroup A) ... (III)

$$\therefore$$
 4d = 16  $\Rightarrow$  d = 4

Similarly, we can find 'c' by considering the years 2017 and 2018.

$$\therefore$$
 c = 3

$$\therefore$$
 a + b = 3 from (III)

& 
$$a + 2b = 5$$
 from (I)

Solving we get: a = 1 and b = 2.

Similarly, we find p, q, r, s, w, x, y and z and get the following table:

Year		201	5		2017				2018			
Age	1	2	3	4	1	2	3	4	1	2	3	4
Α	1	2	3	4	4	1	2	3	3	4	1	2
В	8	6	4	2	2	8	6	4	4	2	8	6
С	9	12	6	3	3	9	12	6	6	3	9	12

Total number of children aged less than or equal to 2 years in playgroup A = 1 + 2 = 3.

Hence, [2].

#### **Correct Answer:**

Time taken by you: 0 secs

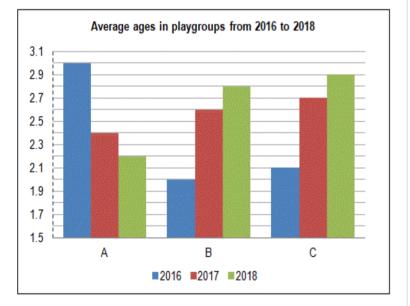
Avg Time taken by all students: 204 secs

Questions: 13 to 32 Section : Data Interpretation & Logical Reasoning

Change Section here

Refer to the data below and answer the questions that follow.

A small institution runs playgroups in three different villages – A, B and C. The maximum capacity of these playgroups is 10, 20 and 30 children respectively. Children in the age group 1-4 years are taken care of in one of these playgroups. Once a child attains the age of 5, he/she has to leave the playgroup and take admission in a primary school. The following graph shows the average age of the children at these three playgroups (A, B and C) in the years 2016 to 2018 when these playgroups were full to capacity. Only 1-year old children took admissions in these playgroups. No child left the playgroup in the middle of the term.



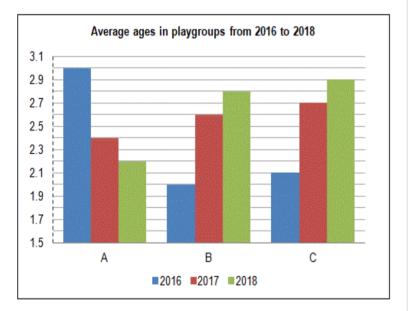
% Students got it correct: 41 %

- 2) What was the total number of children aged 3 years \_ in the year 2017 in the playgroup B?
  - 6
- 8
- 12
- Cannot be determined

**Video Explanation:** 

~

A small institution runs playgroups in three different villages – A, B and C. The maximum capacity of these playgroups is 10, 20 and 30 children respectively. Children in the age group 1-4 years are taken care of in one of these playgroups. Once a child attains the age of 5, he/she has to leave the playgroup and take admission in a primary school. The following graph shows the average age of the children at these three playgroups (A, B and C) in the years 2016 to 2018 when these playgroups were full to capacity. Only 1-year old children took admissions in these playgroups. No child left the playgroup in the middle of the term.



It is given that all the classrooms were full to capacity in the given years.

∴ Number of children leaving the playgroups = Number of children admitted.

Thus, for any of the given year we can get the following table:

Year	2016					201	7		2018			
Age	1	2	3	4	1	2	3	4	1	2	3	4
Α	a	b	С	d	d	а	b	С	С	d	а	b
В	р	q	r	S	5	р	q	r	r	5	р	q
С	W	X	у	Z	Z	W	X	у	у	Z	W	X

Where a, b, c, d, p, q, r, s, w, x, y and z are the number of children in the given playgroup in the given year.

For A, in 2016, 
$$a + 2b + 3c + 4d = 30$$
 ... (I)

Subtract I from II, we get:

$$a + b + c - 3d = -6$$

But, 
$$a + b + c + d = 10$$
 (capacity of playgroup A) ... (III)

$$\therefore$$
 4d = 16  $\Rightarrow$  d = 4

Similarly, we can find 'c' by considering the years 2017 and 2018.

$$\therefore$$
 c = 3

$$\therefore$$
 a + b = 3 from (III)

& 
$$a + 2b = 5$$
 from (I)

Solving we get: a = 1 and b = 2.

Similarly, we find p, q, r, s, w, x, y and z and get the following table:

	Year		2016	5		2017				2018			
Г	Age	1	2	3	4	1	2	3	4	1	2	3	4
	Α	1	2	3	4	4	1	2	3	3	4	1	2
	В	8	6	4	2	2	8	6	4	4	2	8	6
	C	9	12	6	3	3	9	12	6	6	3	9	12

In 2017, in playgroup B, the number children aged 3 years was 6. Hence, [1].

#### **Correct Answer:**

Time taken by you: 0 secs

Avg Time taken by all students: 41 secs

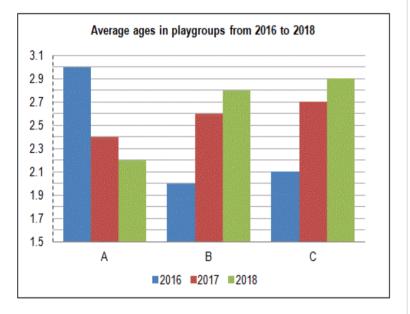
Your Attempt: Skipped

Questions: 13 to 32 Section: Data Interpretation & Logical Reasoning % Students got it correct: 16

Change Section here

Refer to the data below and answer the questions that follow.

A small institution runs playgroups in three different villages — A, B and C. The maximum capacity of these playgroups is 10, 20 and 30 children respectively. Children in the age group 1-4 years are taken care of in one of these playgroups. Once a child attains the age of 5, he/she has to leave the playgroup and take admission in a primary school. The following graph shows the average age of the children at these three playgroups (A, B and C) in the years 2016 to 2018 when these playgroups were full to capacity. Only 1-year old children took admissions in these playgroups. No child left the playgroup in the middle of the term.



# 3) How many children left from these playgroups in 2018?

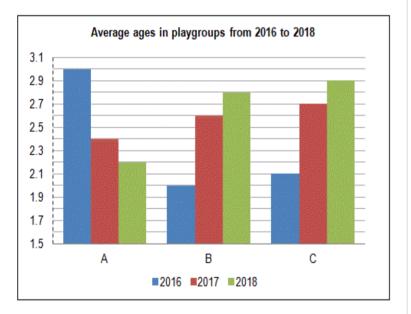
- 9
- **11**
- 13
- Cannot be determined

**Video Explanation:** 

~

Questions: 13 to 32

A small institution runs playgroups in three different villages – A, B and C. The maximum capacity of these playgroups is 10, 20 and 30 children respectively. Children in the age group 1-4 years are taken care of in one of these playgroups. Once a child attains the age of 5, he/she has to leave the playgroup and take admission in a primary school. The following graph shows the average age of the children at these three playgroups (A, B and C) in the years 2016 to 2018 when these playgroups were full to capacity. Only 1-year old children took admissions in these playgroups. No child left the playgroup in the middle of the term.



It is given that all the classrooms were full to capacity in the given years.

∴ Number of children leaving the playgroups = Number of children admitted.

Thus, for any of the given year we can get the following table:

Year		201	l <b>6</b>		2017			2018				
Age	1	2	3	4	1	2	3	4	1	2	3	4
Α	а	b	С	d	d	a	b	С	С	d	а	b
В	р	q	r	S	5	р	q	r	r	5	р	q
С	W	X	у	Z	Z	W	X	у	у	Z	W	X

Where a, b, c, d, p, q, r, s, w, x, y and z are the number of children in the given playgroup in the given year.

For A, in 2016, 
$$a + 2b + 3c + 4d = 30$$
 ... (I)

For A, in 2017, 
$$d + 2a + 3b + 4c = 24$$
 ... (II)

Subtract I from II, we get:

$$a + b + c - 3d = -6$$

But, 
$$a + b + c + d = 10$$
 (capacity of playgroup A) ... (III)

$$\therefore$$
 4d = 16  $\Rightarrow$  d = 4

Similarly, we can find 'c' by considering the years 2017 and 2018.

$$\therefore$$
 c = 3

$$\therefore$$
 a + b = 3 from (III)

& 
$$a + 2b = 5$$
 from (I)

Solving we get: a = 1 and b = 2.

Similarly, we find p, q, r, s, w, x, y and z and get the following table:

	Year	2016			2017			2018					
Г	Age	1	2	3	4	1	2	3	4	1	2	3	4
	Α	1	2	3	4	4	1	2	3	3	4	1	2
	В	8	6	4	2	2	8	6	4	4	2	8	6
	C	9	12	6	3	3	9	12	6	6	3	9	12

Number of children who left the playgroups in 2018 =Number of children aged 4 years in the playgroups in 2017 = 3 + 4 + 6 = 13.

Hence, [3].

### **Correct Answer:**

Time taken by you: 0 secs

Avg Time taken by all students: 42 secs

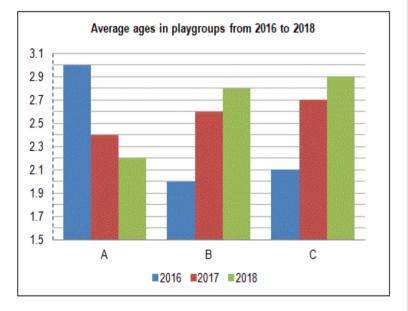
Questions: 13 to 32 Section: Data Interpretation & Logical Reasoning

Change Section here

% Students got it correct: 28 %

# Refer to the data below and answer the questions that follow.

A small institution runs playgroups in three different villages — A, B and C. The maximum capacity of these playgroups is 10, 20 and 30 children respectively. Children in the age group 1-4 years are taken care of in one of these playgroups. Once a child attains the age of 5, he/she has to leave the playgroup and take admission in a primary school. The following graph shows the average age of the children at these three playgroups (A, B and C) in the years 2016 to 2018 when these playgroups were full to capacity. Only 1-year old children took admissions in these playgroups. No child left the playgroup in the middle of the term.



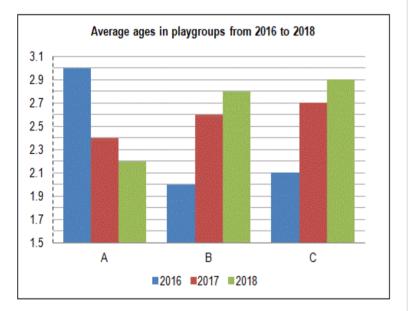
- 4) In 2019, there were two 1-year old children in the playgroup C. Which of the following would be the average age of children in Playgroup C in 2019?
- 3.85
- 3.25
- 2.95
- 2.25

**Video Explanation:** 

**~** 

Questions: 13 to 32

A small institution runs playgroups in three different villages — A, B and C. The maximum capacity of these playgroups is 10, 20 and 30 children respectively. Children in the age group 1-4 years are taken care of in one of these playgroups. Once a child attains the age of 5, he/she has to leave the playgroup and take admission in a primary school. The following graph shows the average age of the children at these three playgroups (A, B and C) in the years 2016 to 2018 when these playgroups were full to capacity. Only 1-year old children took admissions in these playgroups. No child left the playgroup in the middle of the term.



It is given that all the classrooms were full to capacity in the given years.

∴ Number of children leaving the playgroups = Number of children admitted.

Thus, for any of the given year we can get the following table:

Year		201	l <b>6</b>		2017			2018				
Age	1	2	3	4	1	2	3	4	1	2	3	4
Α	а	b	С	d	d	a	b	С	С	d	а	b
В	р	q	r	S	5	р	q	r	r	5	р	q
С	W	X	у	Z	Z	W	X	у	у	Z	W	X

Where a, b, c, d, p, q, r, s, w, x, y and z are the number of children in the given playgroup in the given year.

For A, in 2016, 
$$a + 2b + 3c + 4d = 30$$
 ... (I)

For A, in 2017, 
$$d + 2a + 3b + 4c = 24$$
 ... (II)

Subtract I from II, we get:

$$a + b + c - 3d = -6$$

But, 
$$a + b + c + d = 10$$
 (capacity of playgroup A) ... (III)

$$\therefore$$
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Similarly, we can find 'c' by considering the years 2017 and 2018.

$$\therefore$$
 c = 3

$$\therefore$$
 a + b = 3 from (III)

& 
$$a + 2b = 5$$
 from (I)

Solving we get: a = 1 and b = 2.

Similarly, we find p, q, r, s, w, x, y and z and get the following table:

Year	2016			2017			2018					
Age	1	2	3	4	1	2	3	4	1	2	3	4
Α	1	2	3	4	4	1	2	3	3	4	1	2
В	8	6	4	2	2	8	6	4	4	2	8	6
С	9	12	6	3	3	9	12	6	6	3	9	12

In 2019, in playgroups C, there will be:

Two 1-year old children

Six 2-year old children

Three 3-year old children

Nine 4-year old children

:. Required average = 
$$\frac{(2 \times 1) + (6 \times 2) + (3 \times 3) + (9 \times 4)}{(2 + 6 + 3 + 9)} = \frac{59}{20} = 2.95$$
  
Hence, [3].

**Correct Answer:** 

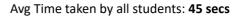
**Exit Review** 

Questions: 13 to 32 Section : Data Interpretation & Logical Reสุรคอย่างgen by you: 0 secs

Change Section here

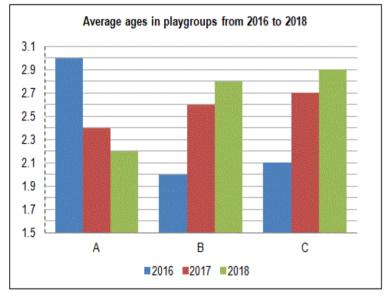
Refer to the data below and answer the questions that follow.

A small institution runs playgroups in three different villages — A, B and C. The maximum capacity of these playgroups is 10, 20 and 30 children respectively. Children in the age group 1-4 years are taken care of in one of these playgroups. Once a child attains the age of 5, he/she has to leave the playgroup and take admission in a primary school. The following graph shows the average age of the children at these three playgroups (A, B and C) in the years 2016 to 2018 when these playgroups were full to capacity. Only 1-year old children took admissions in these playgroups. No child left the playgroup in the middle of the term.



Your Attempt: Skipped

% Students got it correct: 32 %



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Previous Next Exit Review

▼

Refer to the data below and answer the questions that follow.

The game of Labyrinth involves participants to enter into a maze having doors labelled A to H, but just one entry door. For every new participant entering the maze, the door labels are shuffled. When the game starts, the participant is told to enter through a particular door, and find the exit to the maze. However, the game has a constraint - Entry through a particular door must be followed by entry through another specific door, as per the table given below. A participant passes through all the doors exactly once and the last door is the exit door.

Entry to door	Followed by
Α	B or D
В	E or F
F	H or G
Н	E or C
E	CorA
D	G or E
G	A or C
С	ForB

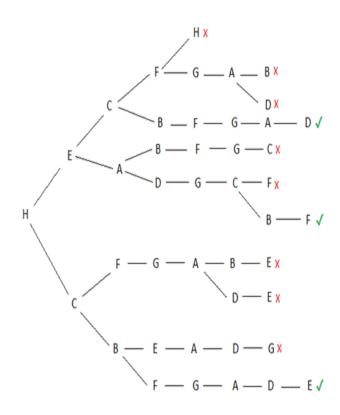
1) If H is the entry door, then how many different \_ exit doors are possible?

Enter your response (as an integer) using the virtual keyboard in the box provided below.

**Video Explanation:** 

**Explanation:** 

The routing can be diagrammatically shown as follows. A particular route is discarded if there is a repeat in the network after that particular door.



Therefore, the required answer is 3.

**Correct Answer:** 

Time taken by you: **0 secs** 

Avg Time taken by all students: 130 secs

Your Attempt: **Skipped** 

Previous

Next

**Exit Review** 

The game of Labyrinth involves participants to enter into a maze having doors labelled A to H, but just one entry door. For every new participant entering the maze, the door labels are shuffled. When the game starts, the participant is told to enter through a particular door, and find the exit to the maze. However, the game has a constraint - Entry through a particular door must be followed by entry through another specific door, as per the table given below. A participant passes through all the doors exactly once and the last door is the exit door.

Entry to door	Followed by
Α	B or D
В	E or F
F	H or G
Н	E or C
E	CorA
D	G or E
G	A or C
С	ForB

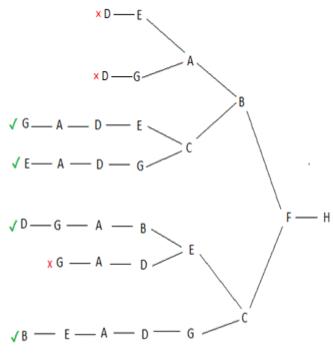
# 2) If H is the exit door, then which of the following \_\_ cannot be an entry door?

- A
- B
- D
- E

**Video Explanation:** 

**Explanation:** 

The routing can be diagrammatically represented by starting from the exit door H and finding the possibilities of the preceding door for each intermediate door.



Hence, [1].

**Correct Answer:** 

Time taken by you: **0 secs** 

Avg Time taken by all students: 101 secs

Your Attempt: Skipped

The game of Labyrinth involves participants to enter into a maze having doors labelled A to H, but just one entry door. For every new participant entering the maze, the door labels are shuffled. When the game starts, the participant is told to enter through a particular door, and find the exit to the maze. However, the game has a constraint - Entry through a particular door must be followed by entry through another specific door, as per the table given below. A participant passes through all the doors exactly once and the last door is the exit door.

Entry to door	Followed by
Α	B or D
В	E or F
F	H or G
Н	E or C
E	CorA
D	G or E
G	A or C
С	ForB

- 3) If door E is the third door through which a participant passes, then which of the following is the sixth door through which he passes?
- H
- G
- Cannot be determined

**Video Explanation:** 

# **Explanation:**

The routing can be diagrammatically shown as follows. A particular route is discarded if there is a repeat of a door in the network after that particular door.

$$A-D-E-C-F \stackrel{GX}{\longleftarrow}_{HX}$$

$$B-F \stackrel{HX}{\longleftarrow}_{GX}$$

Thus, only one possibility exists and door G is the  $6^{th}$  door. Hence, [2].

### **Correct Answer:**

Time taken by you: 0 secs

Avg Time taken by all students: 52 secs

Your Attempt: Skipped

% Students got it correct: 26 %

The game of Labyrinth involves participants to enter into a maze having doors labelled A to H, but just one entry door. For every new participant entering the maze, the door labels are shuffled. When the game starts, the participant is told to enter through a particular door, and find the exit to the maze. However, the game has a constraint - Entry through a particular door must be followed by entry through another specific door, as per the table given below. A participant passes through all the doors exactly once and the last door is the exit door.

Entry to door	Followed by
Α	B or D
В	E or F
F	H or G
Н	E or C
E	CorA
D	G or E
G	A or C
С	ForB

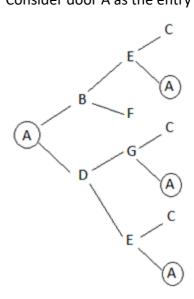
4) If now a participant need not pass through all the doors and the entry door to the maze is the exit door, then for how many doors will the number of intermediate doors be the minimum possible?

Enter your response (as an integer) using the virtual keyboard in the box provided below.

**Video Explanation:** 

**Explanation:** 

Consider door A as the entry door,



On creating a similar diagrammatic representation of routes starting from each of the other 7 doors ending at the same door, it can be observed that the minimum number of intermediate doors through which a participant must pass is 2. This is valid for all the doors. Thus, the required answer is 8.

Therefore, the required answer is 8.

**Correct Answer:** 

Time taken by you: **0 secs** 

Avg Time taken by all students: 31 secs

Change Section here

% Students got it correct: 17 %

Refer to the data below and answer the questions that follow.

The game of Labyrinth involves participants to enter into a maze having doors labelled A to H, but just one entry door. For every new participant entering the maze, the door labels are shuffled. When the game starts, the participant is told to enter through a particular door, and find the exit to the maze. However, the game has a constraint - Entry through a particular door must be followed by entry through another specific door, as per the table given below. A participant passes through all the doors exactly once and the last door is the exit door.

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Entry to door	Followed by
Α	B or D
В	E or F
F	H or G
Н	E or C
E	CorA
D	G or E
G	A or C
С	ForB

Previous Next

**Exit Review** 

Questions: 21 to 32 Section: Data Interpretation & Logical Reasoning

Change Section here

Refer to the data below and answer the questions that follow.

Gauri, Sheetal, Swati, Varsha, Moumeeta and Richa are playing a game of cards. Each player gets 6 cards. In each round, they play a card randomly. The one who plays the card with the highest value wins the round. The values of the cards are as follows: 2, 3, 4, 5, 6, 7, 8, 9, 10. Also, each number card is in 4 colors, viz. Black, Red, Green and Blue.

In any round, if two cards of different colors but having same values are played, then the order of winning is Black, Red, Blue and Green. (The Black card will win over all the other cards, the Red card will win over Blue and Green cards and Blue card will win over Green card.)

The following partially filled table shows the cards played in 6 rounds, brackets indicate the name of the player who played that particular card. For example in round 1, Sheetal played Black card 4.

	Black	Red	Blue	Green
Round1	2,4(Sheetal),6	6	3(Moumeeta)	4
Round 2	3	5(Moumeeta)	2(Varsha), 4	
			(Swati), 5, 6	
Round 3	7	8	8	5,7(Moumeeta),10
Round 4	10 (Richa)	2(Moumeeta), 4		3, 6
		(Varsha), 7		
Round 5	5,8(Sheetal)	3	7,9	8
Round 6	9	9,10	10	2, 9(Richa)

### Further it is known:

- Gauri has 4 Black cards and 1 Blue card and 1 Green card. Swati has 4 Blue cards and 1 Black and 1 Green card, Varsha has 4 Red cards 1 Blue card and 1 Green card, Richa has 4 Green cards and 2 Black cards and Moumeeta has 2 cards each of Red, Blue and Green.
- 2. Winner of round 1 is Swati, round 2 is Gauri, round 3 is Richa, round 4 is Richa, round 5 is Moumeeta and round 6 is Varsha.

1) Which number card did Sheetal play in round 4?\_\_

Enter your response (as an integer) using the virtual keyboard in the box provided below.

**Video Explanation:** 

Explanation:

Using point 1, Number of different cards with each player can be tabulated as follows:

	Black	Red	Blue	Green
Gauri	4	0	1	1
Swati	1	0	4	1
Varsha	0	4	1	1
Richa	2	0	0	4
Moumeeta	0	2	2	2
Sheetal	2	3	1	0

In round 4, there are only 3 cards with unknown player, one is Red and two are Green. So, Sheetal played a Red card 7.

Therefore the required answer is 7.

**Correct Answer:** 

Time taken by you: **0** secs

Avg Time taken by all students: 316 secs

Your Attempt: **Skipped** 

% Students got it correct: 45 %

2) Which of the following combination of Red cards was held by Varsha?

Previous Next Exit Review

Questions: 21 to 32

Gauri, Sheetal, Swati, Varsha, Moumeeta and Richa are playing a game of cards. Each player gets 6 cards. In each round, they play a card randomly. The one who plays the card with the highest value wins the round. The values of the cards are as follows: 2, 3, 4, 5, 6, 7, 8, 9, 10. Also, each number card is in 4 colors, viz. Black, Red, Green and Blue.

In any round, if two cards of different colors but having same values are played, then the order of winning is Black, Red, Blue and Green. (The Black card will win over all the other cards, the Red card will win over Blue and Green cards and Blue card will win over Green card.)

The following partially filled table shows the cards played in 6 rounds, brackets indicate the name of the player who played that particular card. For example in round 1, Sheetal played Black card 4.

	Black	Red	Blue	Green
Round1	2,4(Sheetal),6	6	3(Moumeeta)	4
Round 2	3	5(Moumeeta)	2(Varsha), 4	
			(Swati), 5, 6	
Round 3	7	8	8	5,7(Moumeeta),10
Round 4	10 (Richa)	2(Moumeeta), 4		3, 6
		(Varsha), 7		
Round 5	5,8(Sheetal)	3	7,9	8
Round 6	9	9,10	10	2, 9(Richa)

### Further it is known:

- Gauri has 4 Black cards and 1 Blue card and 1 Green card. Swati has 4 Blue cards and 1 Black and 1 Green card, Varsha has 4 Red cards 1 Blue card and 1 Green card, Richa has 4 Green cards and 2 Black cards and Moumeeta has 2 cards each of Red, Blue and Green.
- 2. Winner of round 1 is Swati, round 2 is Gauri, round 3 is Richa, round 4 is Richa, round 5 is Moumeeta and round 6 is Varsha.

- 3, 6, 8, 9
- Cannot be determined

Video Explanation:

**Explanation:** 

Using point 1, Number of different cards with each player can be tabulated as follows:

	Black	Red	Blue	Green
Gauri	4	0	1	1
Swati	1	0	4	1
Varsha	0	4	1	1
Richa	2	0	0	4
Moumeeta	0	2	2	2
Sheetal	2	3	1	0

Using point 1, Number of different cards with each player can be tabulated as follows:

	Black	Red	Blue	Green
Gauri	4	0	1	1
Swati	1	0	4	1
Varsha	0	4	1	1
Richa	2	0	0	4
Moumeeta	0	2	2	2
Sheetal	2	3	1	0

Using point 2, Swati has Black card having value 6 in the first round, we write this as (1, Black 6), Gauri has (2, Blue 6), while Richa, Moumeeta and Varsha have (3, Green 10), (5, Blue 9) and (6, Red 10) respectively.

Red cards are with Varsha, Moumeeta and Sheetal. So, Varsha must have played (1,Red 6). Sheetal must have played Red cards of values 7 and 9 in rounds 4 and 6 respectively. The third Red card with Sheetal has value other than 3 as she played (5, Black 8). Therefore, Sheetal and Varsha must have (3, Red 8) and (5, Red 3) respectively.

Now among (2, Black 3) and (2, Blue 5), as Richa did not have Blue card, Richa and Sheetal played (2, Black 3) and (2, Blue 5) respectively.

So, Gauri must have remaining 4 Black cards having value 2,7,5 and 9. As Swati has 4 Blue cards, their value must be 4, 8, 7 and 10. Richa has 4 Green cards. As she has (4, Black 10) and (3, Green 10), she has to have (1, Green 4) and (5,

Questions: 21 to 32 Section: Data Interpretation & Logical Reasoning and Swat Change Section here

Refer to the data below and answer the questions that follow.

Gauri, Sheetal, Swati, Varsha, Moumeeta and Richa are playing a game of cards. Each player gets 6 cards. In each round, they play a card randomly. The one who plays the card with the highest value wins the round. The values of the cards are as follows: 2, 3, 4, 5, 6, 7, 8, 9, 10. Also, each number card is in 4 colors, viz. Black, Red, Green and Blue.

In any round, if two cards of different colors but having same values are played, then the order of winning is Black, Red, Blue and Green. (The Black card will win over all the other cards, the Red card will win over Blue and Green cards and Blue card will win over Green card.)

The following partially filled table shows the cards played in 6 rounds, brackets indicate the name of the player who played that particular card. For example in round 1, Sheetal played Black card 4.

	Black	Red	Blue	Green
Round1	2,4(Sheetal),6	6	3(Moumeeta)	4
Round 2	3	5(Moumeeta)	2(Varsha), 4	
			(Swati), 5, 6	
Round 3	7	8	8	5,7(Moumeeta),10
Round 4	10 (Richa)	2(Moumeeta), 4		3,6
		(Varsha), 7		
Round 5	5,8(Sheetal)	3	7,9	8
Round 6	9	9,10	10	2, 9(Richa)

### Further it is known:

- Gauri has 4 Black cards and 1 Blue card and 1 Green card. Swati has 4 Blue cards and 1 Black and 1 Green card, Varsha has 4 Red cards 1 Blue card and 1 Green card, Richa has 4 Green cards and 2 Black cards and Moumeeta has 2 cards each of Red, Blue and Green.
- 2. Winner of round 1 is Swati, round 2 is Gauri, round 3 is Richa, round 4 is Richa, round 5 is Moumeeta and round 6 is Varsha.

Varsha and Moumeeta respectively.

Black Red Blue G

	Black	Red	Blue	Green
Gauri	2, 5, 7, 9		6	3/6
Sheetal	4,8	8, 9, 7	5	
Swati	6		4,7,8,10	3/6
Varsha		3, 6, 10, 4	2	5
Moumeeta		2,5	3,9	2,7
Richa	3,10			4, 8, 9, 10

Varsha has Red cards having values 3, 4, 6 and 10. Hence, [2].

Correct Answer:

Time taken by you: 0 secs

Avg Time taken by all students: 114 secs

Your Attempt: Skipped

% Students got it correct: 56 %

- 3) What can be the maximum total of all the cards\_ held by any of the 6 friends?
- 44
- 41
- 36
- Cannot be determined

Video Explanation:

**Explanation:** 

Using point 1, Number of different cards with each player can be tabulated as follows:

	Black	Red	Blue	Green
Gauri	4	0	1	1
Swati	1	0	4	1
Varsha	0	4	1	1
Richa	2	0	0	4
Moumeeta	0	2	2	2
Sheetal	2	3	1	0

Previous Next Exit Review

Gauri, Sheetal, Swati, Varsha, Moumeeta and Richa are playing a game of cards. Each player gets 6 cards. In each round, they play a card randomly. The one who plays the card with the highest value wins the round. The values of the cards are as follows: 2, 3, 4, 5, 6, 7, 8, 9, 10. Also, each number card is in 4 colors, viz. Black, Red, Green and Blue.

In any round, if two cards of different colors but having same values are played, then the order of winning is Black, Red, Blue and Green. (The Black card will win over all the other cards, the Red card will win over Blue and Green cards and Blue card will win over Green card.)

The following partially filled table shows the cards played in 6 rounds, brackets indicate the name of the player who played that particular card. For example in round 1, Sheetal played Black card 4.

	Black	Red	Blue	Green
Round1	2,4(Sheetal),6	6	3(Moumeeta)	4
Round 2	3	5(Moumeeta)	2(Varsha), 4	
			(Swati), 5, 6	
Round 3	7	8	8	5,7(Moumeeta),10
Round 4	10 (Richa)	2(Moumeeta), 4		3,6
		(Varsha), 7		
Round 5	5,8(Sheetal)	3	7,9	8
Round 6	9	9,10	10	2, 9(Richa)

# Further it is known:

- Gauri has 4 Black cards and 1 Blue card and 1 Green card. Swati has 4 Blue cards and 1 Black and 1 Green card, Varsha has 4 Red cards 1 Blue card and 1 Green card, Richa has 4 Green cards and 2 Black cards and Moumeeta has 2 cards each of Red, Blue and Green.
- 2. Winner of round 1 is Swati, round 2 is Gauri, round 3 is Richa, round 4 is Richa, round 5 is Moumeeta and round 6 is Varsha.

	Black	Red	Blue	Green
Gauri	4	0	1	1
Swati	1	0	4	1
Varsha	0	4	1	1
Richa	2	0	0	4
Moumeeta	0	2	2	2
Sheetal	2	3	1	0

Using point 2, Swati has Black card having value 6 in the first round, we write this as (1, Black 6), Gauri has (2, Blue 6), while Richa, Moumeeta and Varsha have (3, Green 10), (5, Blue 9) and (6, Red 10) respectively.

Red cards are with Varsha, Moumeeta and Sheetal. So, Varsha must have played (1,Red 6). Sheetal must have played Red cards of values 7 and 9 in rounds 4 and 6 respectively. The third Red card with Sheetal has value other than 3 as she played (5, Black 8). Therefore, Sheetal and Varsha must have (3, Red 8) and (5, Red 3) respectively.

Now among (2, Black 3) and (2, Blue 5), as Richa did not have Blue card, Richa and Sheetal played (2, Black 3) and (2, Blue 5) respectively.

So, Gauri must have remaining 4 Black cards having value 2,7,5 and 9. As Swati has 4 Blue cards, their value must be 4, 8, 7 and 10. Richa has 4 Green cards. As she has (4, Black 10) and (3, Green 10), she has to have (1, Green 4) and (5, Green 8). Green cards played in fourth round must be by Gauri and Swati and that in round 3 and 6 by Varsha and Moumeeta respectively.

	Black	Red	Blue	Green
Gauri	2, 5, 7, 9		6	3/6
Sheetal	4,8	8, 9, 7	5	
Swati	6		4,7,8,10	3/6
Varsha		3, 6, 10, 4	2	5
Moumeeta		2,5	3,9	2,7
Richa	3,10			4, 8, 9, 10

Gauri: 2 + 5 + 7 + 9 + 6 + 6(maximum) = 35

Sheetal: 4 + 8 + 8 + 9 + 7 + 5 = 41

Swati: 6 + 4 + 7 + 8 + 10 + 6(maximum) = 41

Varsha: 3 + 6 + 10 + 4 + 5 + 2 = 30

Moumeeta: 2 + 5 + 3 + 9 + 2 + 7 = 28

Richa: 3 + 10 + 4 + 8 + 9 + 10 = 44

Hence, [1].

Previous Next Exit Review

Questions: 21 to 32

Gauri, Sheetal, Swati, Varsha, Moumeeta and Richa are playing a game of cards. Each player gets 6 cards. In each round, they play a card randomly. The one who plays the card with the highest value wins the round. The values of the cards are as follows: 2, 3, 4, 5, 6, 7, 8, 9, 10. Also, each number card is in 4 colors, viz. Black, Red, Green and Blue.

In any round, if two cards of different colors but having same values are played, then the order of winning is Black, Red, Blue and Green. (The Black card will win over all the other cards, the Red card will win over Blue and Green cards and Blue card will win over Green card.)

The following partially filled table shows the cards played in 6 rounds, brackets indicate the name of the player who played that particular card. For example in round 1, Sheetal played Black card 4.

	Black	Red	Blue	Green
Round1	2,4(Sheetal),6	6	3(Moumeeta)	4
Round 2	3	5(Moumeeta)	2(Varsha), 4	
			(Swati), 5, 6	
Round 3	7	8	8	5,7(Moumeeta),10
Round 4	10 (Richa)	2(Moumeeta), 4 (Varsha), 7		3, 6
Round 5	5,8(Sheetal)	3	7,9	8
Round 6	9	9,10	10	2, 9(Richa)

### Further it is known:

- Gauri has 4 Black cards and 1 Blue card and 1 Green card. Swati has 4 Blue cards and 1 Black and 1 Green card, Varsha has 4 Red cards 1 Blue card and 1 Green card, Richa has 4 Green cards and 2 Black cards and Moumeeta has 2 cards each of Red, Blue and Green.
- 2. Winner of round 1 is Swati, round 2 is Gauri, round 3 is Richa, round 4 is Richa, round 5 is Moumeeta and round 6 is Varsha.

Time taken by you: 0 secs

Avg Time taken by all students: 60 secs

Your Attempt: Skipped

% Students got it correct: 45 %

# 4) Which card did Swati play in round 3?

- Green card having value 3
- Blue card having value 8
- Green Card having value 6
- Cannot be determined

### **Video Explanation:**

# **Explanation:**

Using point 1, Number of different cards with each player can be tabulated as follows:

	Black	Red	Blue	Green
Gauri	4	0	1	1
Swati	1	0	4	1
Varsha	0	4	1	1
Richa	2	0	0	4
Moumeeta	0	2	2	2
Sheetal	2	3	1	0

Using point 1, Number of different cards with each player can be tabulated as follows:

	Black	Red	Blue	Green
Gauri	4	0	1	1
Swati	1	0	4	1
Varsha	0	4	1	1
Richa	2	0	0	4
Moumeeta	0	2	2	2
Sheetal	2	3	1	0

Using point 2, Swati has Black card having value 6 in the first round, we write this as (1, Black 6), Gauri has (2, Blue 6), while Richa, Moumeeta and Varsha have (3, Green 10), (5, Blue 9) and (6, Red 10) respectively.

Gauri, Sheetal, Swati, Varsha, Moumeeta and Richa are playing a game of cards. Each player gets 6 cards. In each round, they play a card randomly. The one who plays the card with the highest value wins the round. The values of the cards are as follows: 2, 3, 4, 5, 6, 7, 8, 9, 10. Also, each number card is in 4 colors, viz. Black, Red, Green and Blue.

In any round, if two cards of different colors but having same values are played, then the order of winning is Black, Red, Blue and Green. (The Black card will win over all the other cards, the Red card will win over Blue and Green cards and Blue card will win over Green card.)

The following partially filled table shows the cards played in 6 rounds, brackets indicate the name of the player who played that particular card. For example in round 1, Sheetal played Black card 4.

	Black	Red	Blue	Green
Round1	2,4(Sheetal),6	6	3(Moumeeta)	4
Round 2	3	5(Moumeeta)	2(Varsha), 4	
			(Swati), 5, 6	
Round 3	7	8	8	5,7(Moumeeta),10
Round 4	10 (Richa)	2(Moumeeta), 4		3, 6
		(Varsha), 7		
Round 5	5,8(Sheetal)	3	7,9	8
Round 6	9	9,10	10	2, 9(Richa)

### Further it is known:

- 1. Gauri has 4 Black cards and 1 Blue card and 1 Green card. Swati has 4 Blue cards and 1 Black and 1 Green card, Varsha has 4 Red cards 1 Blue card and 1 Green card, Richa has 4 Green cards and 2 Black cards and Moumeeta has 2 cards each of Red, Blue and Green.
- 2. Winner of round 1 is Swati, round 2 is Gauri, round 3 is Richa, round 4 is Richa, round 5 is Moumeeta and round 6 is Varsha.

Sheetal must have played Red cards of values 7 and 9 in rounds 4 and 6 respectively. The third Red card with Sheetal has value other than 3 as she played (5, Black 8). Therefore, Sheetal and Varsha must have (3, Red 8) and (5, Red 3) respectively.

Now among (2, Black 3) and (2, Blue 5), as Richa did not have Blue card, Richa and Sheetal played (2, Black 3) and (2, Blue 5) respectively.

So, Gauri must have remaining 4 Black cards having value 2,7,5 and 9. As Swati has 4 Blue cards, their value must be 4, 8, 7 and 10. Richa has 4 Green cards. As she has (4, Black 10) and (3, Green 10), she has to have (1, Green 4) and (5, Green 8). Green cards played in fourth round must be by Gauri and Swati and that in round 3 and 6 by Varsha and Moumeeta respectively.

	Black	Red	Blue	Green
Gauri	2, 5, 7, 9		6	3/6
Sheetal	4,8	8, 9, 7	5	
Swati	6		4,7,8,10	3/6
Varsha		3, 6, 10, 4	2	5
Moumeeta		2,5	3,9	2,7
Richa	3,10			4, 8, 9, 10

Swati played Blue card having value 8 in round 3. Hence, [2].

**Correct Answer:** 

Time taken by you: **0 secs** 

Avg Time taken by all students: 95 secs

Your Attempt: Skipped

% Students got it correct: 81 %

**Previous** Next **Exit Review** 

Questions: 21 to 32

Gauri, Sheetal, Swati, Varsha, Moumeeta and Richa are playing a game of cards. Each player gets 6 cards. In each round, they play a card randomly. The one who plays the card with the highest value wins the round. The values of the cards are as follows: 2, 3, 4, 5, 6, 7, 8, 9, 10. Also, each number card is in 4 colors, viz. Black, Red, Green and Blue.

In any round, if two cards of different colors but having same values are played, then the order of winning is Black, Red, Blue and Green. (The Black card will win over all the other cards, the Red card will win over Blue and Green cards and Blue card will win over Green card.)

The following partially filled table shows the cards played in 6 rounds, brackets indicate the name of the player who played that particular card. For example in round 1, Sheetal played Black card 4.

	Black	Red	Blue	Green
Round1	2,4(Sheetal),6	6	3(Moumeeta)	4
Round 2	3	5(Moumeeta)	2(Varsha), 4	
			(Swati), 5, 6	
Round 3	7	8	8	5,7(Moumeeta),10
Round 4	10 (Richa)	2(Moumeeta), 4		3,6
		(Varsha), 7		
Round 5	5,8(Sheetal)	3	7,9	8
Round 6	9	9,10	10	2, 9(Richa)

#### Further it is known:

- Gauri has 4 Black cards and 1 Blue card and 1 Green card. Swati has 4 Blue cards and 1 Black and 1 Green card, Varsha has 4 Red cards 1 Blue card and 1 Green card, Richa has 4 Green cards and 2 Black cards and Moumeeta has 2 cards each of Red, Blue and Green.
- 2. Winner of round 1 is Swati, round 2 is Gauri, round 3 is Richa, round 4 is Richa, round 5 is Moumeeta and round 6 is Varsha.

Previous N

Next

**Exit Review** 

'Trick Tok' is a global virtual reality video making platform and social network that enables users to create short virtual reality videos. The company has planned to launch its app, 'Tik Talk' by 2020. As part of the testing process, the founder of the company asked his employees to create a certain number of videos on the app. The next day he made his 12 oldest employees, having employee codes 1 (being the oldest) to 12, stand in a row from left to right, in the same order. The employees were disguised using the first 12 letters of the English Alphabets (A to L). Further-

- The number of videos created by all the employees was distinct and among the first six multiples of 3 and/or 5.
   There was one person who did not create any videos.
- 2. The number of videos created by not more than two adjacent employees were multiple of 3. And the number of videos created by not more than two adjacent employees were multiple of 5. Also, employees creating a number of videos that were multiples of 5 stood together in the pair of two.
- 3. From the left, E, A, B and K stood first, fifth, tenth and eleventh respectively and created 18, 12, 25 and 6 videos respectively.
- 4. F, I and A stood consecutively from left to right in that order and none of them created an odd number of videos.
- 5. The person who created no videos is among the oldest four employees.
- 6. J, C and L stood consecutively from left to right in that order.
- 7. All employees having odd employee codes created an even number of videos.
- 8. H created more videos than F, who created some videos. H was to the left of G and there were exactly 3 people between them. L created fewer videos than B while C created fewer videos than K.

1)	The employee who created the most number of
	videos was

H

D

**Explanation:** 

Video Explanation:

From conditions 3, 4, 6 and 8, we have

Employee code	1	2	3	4	5	6	7	8	9	10	11	12
Name	E	Н	F	1	Α	G	J	С	L	В	K	D
Videos created	18				12					25	6	

From condition 7, it can be concluded that F, J and L created 10, 20, 30 videos in some order.

Using condition 8, F and L must have created videos other than 30. Hence, J created 30 videos. Also, from condition 8, H, F, L, B, C and K created few videos. Hence, I have not created any video. Maximum number of videos made by H is 15. So, H = 15, F = 10 and L = 20.

Now we need to decide about (G, C, D) and (3, 5, 9). C is between L = 20 and J = 30. Therefore from condition 2, C must have created 3 or 9 videos. C created fewer videos than K (created 6 videos) implies that C created 3 videos. G has to be multiple of 5. Therefore, G = 5 and D = 9.

Employee code	1	2	3	4	5	6	7	8	9	10	11	12
Name	E	Н	F	1	Α	G	J	С	L	В	K	D
Videos created	18	15	10	0	12	5	30	3	20	25	6	9

J created the most number of videos. Hence, [3].

**Correct Answer:** 

Time taken by you: **0 secs** 

Avg Time taken by all students: 521 secs

Your Attempt: Skipped

'Trick Tok' is a global virtual reality video making platform and social network that enables users to create short virtual reality videos. The company has planned to launch its app, 'Tik Talk' by 2020. As part of the testing process, the founder of the company asked his employees to create a certain number of videos on the app. The next day he made his 12 oldest employees, having employee codes 1 (being the oldest) to 12, stand in a row from left to right, in the same order. The employees were disguised using the first 12 letters of the English Alphabets (A to L). Further-

- The number of videos created by all the employees was distinct and among the first six multiples of 3 and/or 5.
   There was one person who did not create any videos.
- 2. The number of videos created by not more than two adjacent employees were multiple of 3. And the number of videos created by not more than two adjacent employees were multiple of 5. Also, employees creating a number of videos that were multiples of 5 stood together in the pair of two.
- 3. From the left, E, A, B and K stood first, fifth, tenth and eleventh respectively and created 18, 12, 25 and 6 videos respectively.
- 4. F, I and A stood consecutively from left to right in that order and none of them created an odd number of videos.
- 5. The person who created no videos is among the oldest four employees.
- 6. J, C and L stood consecutively from left to right in that order.
- 7. All employees having odd employee codes created an even number of videos.
- 8. H created more videos than F, who created some videos. H was to the left of G and there were exactly 3 people between them. L created fewer videos than B while C created fewer videos than K.

## 2) Who did not create any video?

- C
- G
- D

#### **Video Explanation:**

# Explanation:

From conditions 3, 4, 6 and 8, we have

Employee code	1	2	3	4	5	6	7	8	9	10	11	12
Name	E	Н	F	_	Α	G	J	С	L	В	K	D
Videos created	18				12					25	6	

From condition 7, it can be concluded that F, J and L created 10, 20, 30 videos in some order.

Using condition 8, F and L must have created videos other than 30. Hence, J created 30 videos. Also, from condition 8, H, F, L, B, C and K created few videos. Hence, I have not created any video. Maximum number of videos made by H is 15. So, H = 15, F = 10 and L = 20.

Now we need to decide about (G, C, D) and (3, 5, 9). C is between L = 20 and J = 30. Therefore from condition 2, C must have created 3 or 9 videos. C created fewer videos than K (created 6 videos) implies that C created 3 videos. G has to be multiple of 5. Therefore, G = 5 and D = 9.

Employee code	1	2	3	4	5	6	7	8	9	10	11	12
Name	E	Н	F	1	Α	G	J	С	L	В	K	D
Videos created	18	15	10	0	12	5	30	3	20	25	6	9

'I' did not create any video. Hence, [4].

## **Correct Answer:**

Time taken by you: 0 secs

Avg Time taken by all students: 153 secs

Your Attempt: Skipped

Questions: 25 to 32

'Trick Tok' is a global virtual reality video making platform and social network that enables users to create short virtual reality videos. The company has planned to launch its app, 'Tik Talk' by 2020. As part of the testing process, the founder of the company asked his employees to create a certain number of videos on the app. The next day he made his 12 oldest employees, having employee codes 1 (being the oldest) to 12, stand in a row from left to right, in the same order. The employees were disguised using the first 12 letters of the English Alphabets (A to L). Further-

- 1. The number of videos created by all the employees was distinct and among the first six multiples of 3 and/or 5. There was one person who did not create any videos.
- 2. The number of videos created by not more than two adjacent employees were multiple of 3. And the number of videos created by not more than two adjacent employees were multiple of 5. Also, employees creating a number of videos that were multiples of 5 stood together in the pair of two.
- 3. From the left, E, A, B and K stood first, fifth, tenth and eleventh respectively and created 18, 12, 25 and 6 videos respectively.
- F, I and A stood consecutively from left to right in that order and none of them created an odd number of videos.
- 5. The person who created no videos is among the oldest four employees.
- 6. J, C and L stood consecutively from left to right in that order.
- 7. All employees having odd employee codes created an even number of videos.
- 8. H created more videos than F, who created some videos. H was to the left of G and there were exactly 3 people between them. L created fewer videos than B while C created fewer videos than K.

- 3) If 'x' and 'y' denote the number of videos created by any pair where the members of the pair stands consecutively. Which of the following option is the best fit for the range for value of |x y|?
- **[5, 30]**
- 0, 30]
- 0, 15]
- [3, 27]

#### **Explanation:**

From conditions 3, 4, 6 and 8, we have

Employee code	1	2	3	4	5	6	7	8	9	10	11	12
Name	E	Н	F	1	Α	G	J	С	L	В	K	D
Videos created	18				12					25	6	

From condition 7, it can be concluded that F, J and L created 10, 20, 30 videos in some order.

Using condition 8, F and L must have created videos other than 30. Hence, J created 30 videos. Also, from condition 8, H, F, L, B, C and K created few videos. Hence, I have not created any video. Maximum number of videos made by H is 15. So, H = 15, F = 10 and L = 20.

Now we need to decide about (G, C, D) and (3, 5, 9). C is between L = 20 and J = 30. Therefore from condition 2, C must have created 3 or 9 videos. C created fewer videos than K (created 6 videos) implies that C created 3 videos. G has to be multiple of 5. Therefore, G = 5 and D = 9.

Emplo	yee code	1	2	3	4	5	6	7	8	9	10	11	12
Name		Ε	Н	F	1	Α	G	J	С	L	В	K	D
Video	s created	18	15	10	0	12	5	30	3	20	25	6	9

The difference between consecutive values of videos created is in the range 3 to 27(both inclusive). Hence, [4].

**Correct Answer:** 

~

Previous No

Next Exit Review

Time taken by you: 0 secs

Questions: 25 to 32 Section: Data Interpretation & Logical Reasoning

Change Section here

Refer to the data below and answer the questions that follow.

'Trick Tok' is a global virtual reality video making platform and social network that enables users to create short virtual reality videos. The company has planned to launch its app, 'Tik Talk' by 2020. As part of the testing process, the founder of the company asked his employees to create a certain number of videos on the app. The next day he made his 12 oldest employees, having employee codes 1 (being the oldest) to 12, stand in a row from left to right, in the same order. The employees were disguised using the first 12 letters of the English Alphabets (A to L). Further-

- 1. The number of videos created by all the employees was distinct and among the first six multiples of 3 and/or 5. There was one person who did not create any videos.
- 2. The number of videos created by not more than two adjacent employees were multiple of 3. And the number of videos created by not more than two adjacent employees were multiple of 5. Also, employees creating a number of videos that were multiples of 5 stood together in the pair of two.
- 3. From the left, E, A, B and K stood first, fifth, tenth and eleventh respectively and created 18, 12, 25 and 6 videos respectively.
- 4. F, I and A stood consecutively from left to right in that order and none of them created an odd number of videos.
- 5. The person who created no videos is among the oldest four employees.
- 6. J, C and L stood consecutively from left to right in that order.
- 7. All employees having odd employee codes created an even number of videos.
- 8. H created more videos than F, who created some videos. H was to the left of G and there were exactly 3 people between them. L created fewer videos than B while C created fewer videos than K.

Your Attempt: Skipped

% Students got it correct: 54 %

- 4) Which of the following pair had the highest sum of \_\_\_ the number of videos created by them?
  - D-B
- J-B
- C-F
- B-F

**Video Explanation:** 

**Explanation:** 

From conditions 3, 4, 6 and 8, we have

Employee code	1	2	3	4	5	6	7	8	9	10	11	12
Name	Ε	Н	F	_	Α	G	J	С	L	В	K	D
Videos created	18				12					25	6	

From condition 7, it can be concluded that F, J and L created 10, 20, 30 videos in some order.

Using condition 8, F and L must have created videos other than 30. Hence, J created 30 videos. Also, from condition 8, H, F, L, B, C and K created few videos. Hence, I have not created any video. Maximum number of videos made by H is 15. So, H = 15, F = 10 and L = 20.

Now we need to decide about (G, C, D) and (3, 5, 9). C is between L = 20 and J = 30. Therefore from condition 2, C must have created 3 or 9 videos. C created fewer videos than K (created 6 videos) implies that C created 3 videos. G has to be multiple of 5. Therefore, G = 5 and D = 9.

Employee code	1	2	3	4	5	6	7	8	9	10	11	12
Name	E	Н	F	1	Α	G	J	С	L	В	K	D
Videos created	18	15	10	0	12	5	30	3	20	25	6	9

'J' created 30 videos while 'B' created 25 videos. Therefore, the pair J-B had the highest sum of the number of videos created by them Hence, [2].

**Correct Answer:** 

Previous Next Exit Review

Questions: 25 to 32 Section: Data Interpretation & Logical Reasoning

Change Section here

Refer to the data below and answer the questions that follow.

'Trick Tok' is a global virtual reality video making platform and social network that enables users to create short virtual reality videos. The company has planned to launch its app, 'Tik Talk' by 2020. As part of the testing process, the founder of the company asked his employees to create a certain number of videos on the app. The next day he made his 12 oldest employees, having employee codes 1 (being the oldest) to 12, stand in a row from left to right, in the same order. The employees were disguised using the first 12 letters of the English Alphabets (A to L). Further-

1. The number of videos created by all the employees was distinct and among the first six multiples of 3 and/or 5.

There was one person who did not create any videos.

- 2. The number of videos created by not more than two adjacent employees were multiple of 3. And the number of videos created by not more than two adjacent employees were multiple of 5. Also, employees creating a number of videos that were multiples of 5 stood together in the pair of two.
- 3. From the left, E, A, B and K stood first, fifth, tenth and eleventh respectively and created 18, 12, 25 and 6 videos respectively.
- 4. F, I and A stood consecutively from left to right in that order and none of them created an odd number of videos.
- 5. The person who created no videos is among the oldest four employees.
- 6. J, C and L stood consecutively from left to right in that order.
- 7. All employees having odd employee codes created an even number of videos.
- 8. H created more videos than F, who created some videos. H was to the left of G and there were exactly 3 people between them. L created fewer videos than B while C created fewer videos than K.

Avg Time taken by all students: 52 secs

Your Attempt: Skipped

% Students got it correct: **77** %

Previous Next Exit Review

12 seater 7D movie show has seating arrangement of 3 chairs in each row. The first row is closest to the screen and the fourth row is farthest from the screen as compared to the other rows. The movie ticket prices for a male is Rs. 600, while for a female, it is Rs. 500. If anyone has any school or college ID, then he or she gets a discount of 20% of the rate applicable. The movie ticket price for children below age 3 is Rs. 250. The 7 PM show tickets were purchased by Barry (M) for his family of 12 members (including him). The other family members are Sara (F), Priya (F), Laura (F), Sheldon (M), Leonard (M), Penny (F), Leslie (F), Bernadette (F), Emily (F), Jenny (F) and Amy (child of age 2 years). Among all, Sheldon, Leonard, Penny, Leslie, Bernadette, Emily and Jenny have student IDs.

Further, following information is known:

- 1. Barry was sitting at the rightmost end of the 2<sup>nd</sup> row and the ticket price of the person sitting behind him was either Rs. 400 or Rs. 500.
- 2. Sara was sitting just ahead of Penny, who was sitting to the immediate left of Leonard.
- 3. Priya was sitting between Bernadette and Laura in the same row.
- 4. The ticket price of the persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats was the same.
- 5. The ticket price of the person sitting in the middle of the first row is more than that of sitting in the rightmost corner of the 4<sup>th</sup> row.
- 6. Emily and Sheldon were sitting in the same row and Emily was to the right of Sheldon.
- 7. Amy did not sit in the same column or row as Jenny.

## 1) Who among the following was sitting in the middle\_ of the 4<sup>th</sup> row?

Amy

Jenny

Emily

Leslie

**Video Explanation:** 

#### **Explanation:**

Ticket price for Amy and Barry was Rs. 250 and Rs. 600 respectively. Ticket price for Sara, Priya and Laura was Rs. 500 while that for Sheldon and Leonard was  $(600 \times 0.80 =)$  Rs. 480. The ticket price for the remaining family members was  $(500 \times 0.80 =)$ Rs. 400

Using conditions 4 and 2, the ticket price of persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats must be either Rs. 400 or Rs. 500.

Case 1: If the ticket price of persons sitting in  $2^{nd}$  and  $3^{rd}$  row left corner seats = Rs. 500.

Using condition 2 and 3, Laura and Sara must be sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats respectively. Now Bernadette's place must be 2<sup>nd</sup> row rightmost corner, which violates condition 1.

So this case is invalid.

#### Case 2:

The ticket price of persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats = Rs. 400

Using conditions 1 and 2, Sara, Penny and Leonard can be placed in following two ways:

	Case 2a										
(400)		Barry (600)									
(400)	Sara (500)	(400/500)									
	Penny (400)	Leonard (480)									

Case 2b			
Sara (500)			
Penny (400)	Leonard (480)	Barry(600)	
(400)		(400/500)	

Case 2a: Priya must sit in the middle of the 1st row.

Now Sheldon must sit in the leftmost corner of 2<sup>nd</sup> row, while the ticket price of the person sitting at this place is Rs. 400. Case 2a is also invalid.

Case 2b: Priya must sit in the middle of either and row Questions: 29 to 32 Section: Data Interpretation & Logical Reasoning. If Priya sits in Change Section here ▼

Refer to the data below and answer the questions that follow.

12 seater 7D movie show has seating arrangement of 3 chairs in each row. The first row is closest to the screen and the fourth row is farthest from the screen as compared to the other rows. The movie ticket prices for a male is Rs. 600, while for a female, it is Rs. 500. If anyone has any school or college ID, then he or she gets a discount of 20% of the rate applicable. The movie ticket price for children below age 3 is Rs. 250. The 7 PM show tickets were purchased by Barry (M) for his family of 12 members (including him). The other family members are Sara (F), Priya (F), Laura (F), Sheldon (M), Leonard (M), Penny (F), Leslie (F), Bernadette (F), Emily (F), Jenny (F) and Amy (child of age 2 years). Among all, Sheldon, Leonard, Penny, Leslie, Bernadette, Emily and Jenny have student IDs.

Further, following information is known:

- 1. Barry was sitting at the rightmost end of the 2<sup>nd</sup> row and the ticket price of the person sitting behind him was either Rs. 400 or Rs. 500.
- 2. Sara was sitting just ahead of Penny, who was sitting to the immediate left of Leonard.
- 3. Priya was sitting between Bernadette and Laura in the same row.
- 4. The ticket price of the persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats was the same.
- 5. The ticket price of the person sitting in the middle of the first row is more than that of sitting in the rightmost corner of the 4<sup>th</sup> row.
- 6. Emily and Sheldon were sitting in the same row and Emily was to the right of Sheldon.
- 7. Amy did not sit in the same column or row as Jenny.

condition 5, Emily and Sheldon must be in the first row with Sheldon occupying middle seat. But it violates condition 7. Hence, Priya was in the 3<sup>rd</sup> row. Since the ticket price of the person sitting in the left corner seat of 3<sup>rd</sup> row is Rs. 400, Bernadette must be to the left of Priya and Laura must be to the right of Priya. From conditions 5, 6 and 7, Emily and Sheldon were sitting in the fourth row with Amy. Now it can be concluded that Amy was in the rightmost seat.

Case 2a			
Sara (500) Jenny (400) Leslie (400)			
Penny (400)	Leonard (480)	Barry (600)	
Bernadette (400) Priya (500) Laura (500)		Laura (500)	
Sheldon (480)	Emily (400)	Amy (250)	

Emily was sitting in the middle of the 4<sup>th</sup> row. Hence, [3].

<b>Correct Answer:</b>	•
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Time taken by you: 14 secs

Avg Time taken by all students: 810 secs

Your Attempt: Correct

% Students got it correct: 84 %

2) What is the sum of the price of tickets of all the persons sitting in 1<sup>st</sup> row?

Enter your response (as an integer) using the virtual keyboard in the box provided below.

1300

Video Explanation:

#### **Explanation:**

Ticket price for Amy and Barry was Rs. 250 and Rs. 600 respectively. Ticket price for Sara, Priya and Laura was Rs. 500 while that for Sheldon and Leonard was  $(600 \times 0.80 =)$  Rs. 480. The ticket price for the remaining family members was  $(500 \times 0.80 =)$ Rs. 400

Using conditions 4 and 2 the ticket price of persons

Questions: 29 to 32 Section: Data Interpretation & Logical Reasoning 2nd and 3rd row Change Section here

Refer to the data below and answer the questions that follow.

12 seater 7D movie show has seating arrangement of 3 chairs in each row. The first row is closest to the screen and the fourth row is farthest from the screen as compared to the other rows. The movie ticket prices for a male is Rs. 600, while for a female, it is Rs. 500. If anyone has any school or college ID, then he or she gets a discount of 20% of the rate applicable. The movie ticket price for children below age 3 is Rs. 250. The 7 PM show tickets were purchased by Barry (M) for his family of 12 members (including him). The other family members are Sara (F), Priya (F), Laura (F), Sheldon (M), Leonard (M), Penny (F), Leslie (F), Bernadette (F), Emily (F), Jenny (F) and Amy (child of age 2 years). Among all, Sheldon, Leonard, Penny, Leslie, Bernadette, Emily and Jenny have student IDs.

Further, following information is known:

- 1. Barry was sitting at the rightmost end of the 2<sup>nd</sup> row and the ticket price of the person sitting behind him was either Rs. 400 or Rs. 500.
- 2. Sara was sitting just ahead of Penny, who was sitting to the immediate left of Leonard.
- 3. Priya was sitting between Bernadette and Laura in the same row.
- 4. The ticket price of the persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats was the same.
- 5. The ticket price of the person sitting in the middle of the first row is more than that of sitting in the rightmost corner of the 4<sup>th</sup> row.
- 6. Emily and Sheldon were sitting in the same row and Emily was to the right of Sheldon.
- 7. Amy did not sit in the same column or row as Jenny.

Case 1: If the ticket price of persons sitting in  $2^{nd}$  and  $3^{rd}$  row left corner seats = Rs. 500.

Using condition 2 and 3, Laura and Sara must be sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats respectively. Now Bernadette's place must be 2<sup>nd</sup> row rightmost corner, which violates condition 1.

So this case is invalid.

either Rs. 400 or Rs. 500.

#### Case 2:

The ticket price of persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats = Rs. 400

Using conditions 1 and 2, Sara, Penny and Leonard can be placed in following two ways:

Case 2a		
(400)		Barry (600)
(400)	Sara (500)	(400/500)
	Penny (400)	Leonard (480)

Case 2b		
Sara (500)		
Penny (400)	Leonard (480)	Barry(600)
(400)		(400/500)

Case 2a: Priya must sit in the middle of the 1st row.

Now Sheldon must sit in the leftmost corner of  $2^{nd}$  row, while the ticket price of the person sitting at this place is Rs. 400. Case 2a is also invalid.

Case 2b: Priya must sit in the middle of either 3<sup>rd</sup> row or 4<sup>th</sup> row. If Priya sits in the fourth row, then using condition 5, Emily and Sheldon must be in the first row with Sheldon occupying middle seat. But it violates condition 7. Hence, Priya was in the 3<sup>rd</sup> row. Since the ticket price of the person sitting in the left corner seat of 3<sup>rd</sup> row is Rs. 400, Bernadette must be to the left of Priya and Laura must be to the right of Priya. From conditions 5, 6 and 7, Emily and Sheldon were sitting in the fourth row with Amy. Now it can be concluded that Amy was in the rightmost seat.

Case 2a		
Sara (500)	Jenny (400)	Leslie (400)
Penny (400)	Leonard (480)	Barry (600)
Bernadette (400)	Priya (500)	Laura (500)
Sheldon (480)	Emily (400)	Amy (250)

Sara – 500, Jenny – 400, Leslie – 400. Sum = 500 + 400 + 400 = Rs. 1,300

Therefore, the required answer is 1,300.

**Correct Answer:** 

~

12 seater 7D movie show has seating arrangement of 3 chairs in each row. The first row is closest to the screen and the fourth row is farthest from the screen as compared to the other rows. The movie ticket prices for a male is Rs. 600, while for a female, it is Rs. 500. If anyone has any school or college ID, then he or she gets a discount of 20% of the rate applicable. The movie ticket price for children below age 3 is Rs. 250. The 7 PM show tickets were purchased by Barry (M) for his family of 12 members (including him). The other family members are Sara (F), Priya (F), Laura (F), Sheldon (M), Leonard (M), Penny (F), Leslie (F), Bernadette (F), Emily (F), Jenny (F) and Amy (child of age 2 years). Among all, Sheldon, Leonard, Penny, Leslie, Bernadette, Emily and Jenny have student IDs.

Further, following information is known:

- 1. Barry was sitting at the rightmost end of the 2<sup>nd</sup> row and the ticket price of the person sitting behind him was either Rs. 400 or Rs. 500.
- 2. Sara was sitting just ahead of Penny, who was sitting to the immediate left of Leonard.
- 3. Priya was sitting between Bernadette and Laura in the same row.
- 4. The ticket price of the persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats was the same.
- 5. The ticket price of the person sitting in the middle of the first row is more than that of sitting in the rightmost corner of the 4<sup>th</sup> row.
- 6. Emily and Sheldon were sitting in the same row and Emily was to the right of Sheldon.
- 7. Amy did not sit in the same column or row as Jenny.

Your Attempt: Correct

% Students got it correct: 50 %

# 3) Who was sitting to the immediate right of Jenny?

- Amy
- Barry
- Leslie
- Sara 💥

	_	
Video	Exp	lanation:

#### **Explanation:**

Ticket price for Amy and Barry was Rs. 250 and Rs. 600 respectively. Ticket price for Sara, Priya and Laura was Rs. 500 while that for Sheldon and Leonard was  $(600 \times 0.80 =)$  Rs. 480. The ticket price for the remaining family members was  $(500 \times 0.80 =)$ Rs. 400

Using conditions 4 and 2, the ticket price of persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats must be either Rs. 400 or Rs. 500.

Case 1: If the ticket price of persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats = Rs. 500.

Using condition 2 and 3, Laura and Sara must be sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats respectively. Now Bernadette's place must be 2<sup>nd</sup> row rightmost corner, which violates condition 1.

So this case is invalid.

#### Case 2:

The ticket price of persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats = Rs. 400

Using conditions 1 and 2, Sara, Penny and Leonard can be placed in following two ways:

Case 2a		
(400)		Barry (600)
(400)	Sara (500)	(400/500)
	Penny (400)	Leonard (480)

Case 2b		
Sara (500)		
Penny (400)	Leonard (480)	Barry(600)
(400)		(400/500)

Case 2a: Priya must sit in the middle of the 1<sup>st</sup> row.

Now Sheldon must sit in the leftmost corner of 2<sup>nd</sup> row, while the ticket price of the person sitting at this place is Rs. 400. Case 2a is also invalid.

Case 2b: Priya must sit in the middle of either and row Questions: 29 to 32 Section: Data Interpretation & Logical Reasoning. If Priya sits in Change Section here ▼

# Refer to the data below and answer the questions that follow.

12 seater 7D movie show has seating arrangement of 3 chairs in each row. The first row is closest to the screen and the fourth row is farthest from the screen as compared to the other rows. The movie ticket prices for a male is Rs. 600, while for a female, it is Rs. 500. If anyone has any school or college ID, then he or she gets a discount of 20% of the rate applicable. The movie ticket price for children below age 3 is Rs. 250. The 7 PM show tickets were purchased by Barry (M) for his family of 12 members (including him). The other family members are Sara (F), Priya (F), Laura (F), Sheldon (M), Leonard (M), Penny (F), Leslie (F), Bernadette (F), Emily (F), Jenny (F) and Amy (child of age 2 years). Among all, Sheldon, Leonard, Penny, Leslie, Bernadette, Emily and Jenny have student IDs.

Further, following information is known:

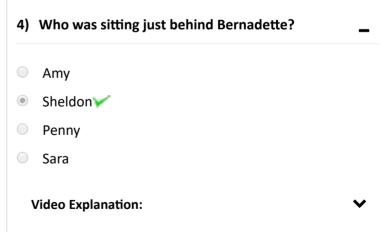
- 1. Barry was sitting at the rightmost end of the 2<sup>nd</sup> row and the ticket price of the person sitting behind him was either Rs. 400 or Rs. 500.
- 2. Sara was sitting just ahead of Penny, who was sitting to the immediate left of Leonard.
- 3. Priya was sitting between Bernadette and Laura in the same row.
- 4. The ticket price of the persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats was the same.
- 5. The ticket price of the person sitting in the middle of the first row is more than that of sitting in the rightmost corner of the 4<sup>th</sup> row.
- 6. Emily and Sheldon were sitting in the same row and Emily was to the right of Sheldon.
- 7. Amy did not sit in the same column or row as Jenny.

condition 5, Emily and Sheldon must be in the first row with Sheldon occupying middle seat. But it violates condition 7. Hence, Priya was in the 3<sup>rd</sup> row. Since the ticket price of the person sitting in the left corner seat of 3<sup>rd</sup> row is Rs. 400, Bernadette must be to the left of Priya and Laura must be to the right of Priya. From conditions 5, 6 and 7, Emily and Sheldon were sitting in the fourth row with Amy. Now it can be concluded that Amy was in the rightmost seat.

Case 2a			
Sara (500) Jenny (400) Leslie (400)			
Penny (400)	Leonard (480)	Barry (600)	
Bernadette (400) Priya (500) Laura (500)		Laura (500)	
Sheldon (480)	Emily (400)	Amy (250)	

Leslie was sitting to the immediate right of Jenny. Hence, [3].

Correct Answer:
Time taken by you: 82 secs
Avg Time taken by all students: 40 secs
Your Attempt: Wrong
% Students got it correct: <b>70</b> %



# Ticket price for Amy and Barry was Rs. 250 and Rs. 600 respectively. Ticket price for Sara, Priya and Laura

600 respectively. Ticket price for Sara, Priya and Laura was Rs. 500 while that for Sheldon and Leonard was  $(600 \times 0.80 =)$  Rs. 480. The ticket price for the remaining family members was  $(500 \times 0.80 =)$ Rs. 400

Using conditions 4 and 2, the ticket price of persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats must be either Rs. 400 or Rs. 500.

Case 1: If the ticket price of parsons sitting in 2nd and

Questions: 29 to 32 Section : Data Interpretation & Logical Reasoning eft corner seats Change Section here

# Refer to the data below and answer the questions that follow.

12 seater 7D movie show has seating arrangement of 3 chairs in each row. The first row is closest to the screen and the fourth row is farthest from the screen as compared to the other rows. The movie ticket prices for a male is Rs. 600, while for a female, it is Rs. 500. If anyone has any school or college ID, then he or she gets a discount of 20% of the rate applicable. The movie ticket price for children below age 3 is Rs. 250. The 7 PM show tickets were purchased by Barry (M) for his family of 12 members (including him). The other family members are Sara (F), Priya (F), Laura (F), Sheldon (M), Leonard (M), Penny (F), Leslie (F), Bernadette (F), Emily (F), Jenny (F) and Amy (child of age 2 years). Among all, Sheldon, Leonard, Penny, Leslie, Bernadette, Emily and Jenny have student IDs.

Further, following information is known:

- 1. Barry was sitting at the rightmost end of the 2<sup>nd</sup> row and the ticket price of the person sitting behind him was either Rs. 400 or Rs. 500.
- 2. Sara was sitting just ahead of Penny, who was sitting to the immediate left of Leonard.
- 3. Priya was sitting between Bernadette and Laura in the same row.
- 4. The ticket price of the persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats was the same.
- 5. The ticket price of the person sitting in the middle of the first row is more than that of sitting in the rightmost corner of the 4<sup>th</sup> row.
- 6. Emily and Sheldon were sitting in the same row and Emily was to the right of Sheldon.
- 7. Amy did not sit in the same column or row as Jenny.

Using condition 2 and 3, Laura and Sara must be sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats respectively. Now Bernadette's place must be 2<sup>nd</sup> row rightmost corner, which violates condition 1.

So this case is invalid.

#### Case 2:

The ticket price of persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats = Rs. 400

Using conditions 1 and 2, Sara, Penny and Leonard can be placed in following two ways:

Case 2a		
(400)		Barry (600)
(400)	Sara (500)	(400/500)
	Penny (400)	Leonard (480)

Case 2b		
Sara (500)		
Penny (400)	Leonard (480)	Barry(600)
(400)		(400/500)

Case 2a: Priya must sit in the middle of the 1<sup>st</sup> row.

Now Sheldon must sit in the leftmost corner of  $2^{nd}$  row, while the ticket price of the person sitting at this place is Rs. 400. Case 2a is also invalid.

Case 2b: Priya must sit in the middle of either 3<sup>rd</sup> row or 4<sup>th</sup> row. If Priya sits in the fourth row, then using condition 5, Emily and Sheldon must be in the first row with Sheldon occupying middle seat. But it violates condition 7. Hence, Priya was in the 3<sup>rd</sup> row. Since the ticket price of the person sitting in the left corner seat of 3<sup>rd</sup> row is Rs. 400, Bernadette must be to the left of Priya and Laura must be to the right of Priya. From conditions 5, 6 and 7, Emily and Sheldon were sitting in the fourth row with Amy. Now it can be concluded that Amy was in the rightmost seat.

Case 2a			
Sara (500)	Jenny (400)	Leslie (400)	
Penny (400)	Leonard (480)	Barry (600)	
Bernadette (400)	Priya (500)	Laura (500)	
Sheldon (480)	Emily (400)	Amy (250)	

Sheldon was sitting just behind Bernadette. Hence, [2].

**Correct Answer:** 

Time taken by you: 1732 secs

Avg Time taken by all students: 70 secs

Change Section here

% Students got it correct: 74 %

## Refer to the data below and answer the questions that follow.

12 seater 7D movie show has seating arrangement of 3 chairs in each row. The first row is closest to the screen and the fourth row is farthest from the screen as compared to the other rows. The movie ticket prices for a male is Rs. 600, while for a female, it is Rs. 500. If anyone has any school or college ID, then he or she gets a discount of 20% of the rate applicable. The movie ticket price for children below age 3 is Rs. 250. The 7 PM show tickets were purchased by Barry (M) for his family of 12 members (including him). The other family members are Sara (F), Priya (F), Laura (F), Sheldon (M), Leonard (M), Penny (F), Leslie (F), Bernadette (F), Emily (F) ading... Jenny (F) and Amy (child of age 2 years). Among all, Sheldon, Leonard, Penny, Leslie, Bernadette, Emily and Jenny have student IDs.

Further, following information is known:

- 1. Barry was sitting at the rightmost end of the 2<sup>nd</sup> row and the ticket price of the person sitting behind him was either Rs. 400 or Rs. 500.
- 2. Sara was sitting just ahead of Penny, who was sitting to the immediate left of Leonard.
- 3. Priya was sitting between Bernadette and Laura in the same row.
- 4. The ticket price of the persons sitting in 2<sup>nd</sup> and 3<sup>rd</sup> row left corner seats was the same.
- 5. The ticket price of the person sitting in the middle of the first row is more than that of sitting in the rightmost corner of the 4<sup>th</sup> row.
- 6. Emily and Sheldon were sitting in the same row and Emily was to the right of Sheldon.
- 7. Amy did not sit in the same column or row as Jenny.

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