MATHS

BOOKS - MCGROW HILL EDUCATION MATHS (HINGLISH)

ADDITIONAL TOPICS IN MENTAL MATH

Example

1.
$\dfrac{1}{3}$ $\begin{array}{ccccc} 2 & 6 & 39 & 1525 \\ \text{(A)} & \text{(B)} & \text{(C)} & \text{(D)} & \text{(E)} \end{array}$

Out of the following, which number will

replace (B) ?

A. 10

B. 101

C. 102

D. 22

Answer: C

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2.

5	12	30	70	154
2	(A)	(B)	(C)	(D)	(E)

Out of the following, which number will replace (D)?

   A. 230

   B. 84

   C. 46

   D. 106

Answer: D

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3.

3	1.5	1.5	2.25	4.5	11.25
4.5	(A)	(B)	(C)	(D)	(E)

Out of the following, which number will replace (D)?

A. 6.75

B. 11.25

C. 2.25

D. 16.875

Answer: A

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4. Statements : 1. Some dogs are goats

2. All goats are cows

Conclusions: 1. All cows are goats

2. Some dogs are cows

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: B

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5. Statements: 1. All fans are watches

2. Some watches are black

Conclusions: 1. All watches are fans

2. Some fans are black

    A. if only conclusion 1 follows,

    B. if only conclusion 2 follows,

    C. if either conclusion 1 or 2 follows,

    D. if neither conclusion 1 nor 2 follows,

Answer: D

6. Statements: 1. Some boys are thieves

2. All thieves are dacoits

Conclusions: 1. Some boys are dacoits

2. All dacoits are boys

    A. if only conclusion 1 follows,

    B. if only conclusion 2 follows,

C. if either conclusion 1 or 2 follows,

D. if neither conclusion 1 nor 2 follows,

Answer: A

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7. Statements: 1. All men are boys

2. All boys are students

Conclusions: 1. Some students are men

2. Some boys are men

A. only conclusion 1 follows,

B. only conclusion 2 follows,

C. either conclusion 1 or 2 follows,

D. both conclusions 1 and 2 follow.

Answer: D

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8. Statements: 1. All jungles are tigers

2. Some tigers are horses

Conclusions: 1. Some horses are jungles

2. No horse is jungle

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: C

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9. Statements: 1. Some lamps are candles

2. No candle is bulb

Conclusions: 1. Some candles are lamps

2. No bulb is candle

   A. only conclusion 1 follows,

   B. only conclusion 2 follows,

   C. either conclusion 1 or 2 follows,

   D. both conclusions 1 and 2 follow.

Answer: D

10. What is Rohan's rank from the top in the class of 30 students?

I. Meera is 4 ranks below Rohan and twenty-first from the bottom.

II. Arjun is two ranks above Rohan and is twenty-seventh from the bottom.

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11. How is Mohit related to Niharika?

I. Mohit is the only son of Niharika's mother in-law.

II. Sarita is Mohit's only sister.

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12. What day is the fourteenth of a given month?

I. The last day of the month is a Wednesday.

II. The third Saturday of the month was seventeenth

13. Among D, F, J, P and A who reached office last?

I. F and J reached office together.

II. Only D and P reached office ahead of J.

14. What does 'nip' stand for in the code language?

I. In the code language, 'that is very beautiful' is written as 'se nip sre num'.

II. In the same code language, 'my house is beautiful' is written as 'nip sto sre tip'.

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Exercise 1

1. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

7 13 29 53 113 217
5 A B C D E

What will come in place of E?

A. 173

B. 171

C. 153

D. 151

Answer: C

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2. You are given two series in two rows. In the

first row, a full series is given which follows a

specific pattern. The second row has a series,

similar to the first series but only first element

of this series is produced followed by (A), (B),

(C), (D) and (E) for the subsequent elements.

You have to complete the series starting with

a given number and answer the question that

follows.

8   4   6   15 $52\frac{1}{2}$ $236\frac{1}{4}$

12   A   B   C   D   E

What will come in place of C?

A. $19\frac{1}{2}$

B. 21

C. 22

D. $22\dfrac{1}{2}$

Answer: D

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3. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements.

You have to complete the series starting with a given number and answer the question that follows.

3   4   12   45   196   1005
5   A   B   C   D   E

What will come in place of D?

A. 244

B. 236

C. 216

D. 224

Answer: A

4. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

6	18	36	108	216	648
2	A	B	C	D	E

What will come in place of E?

A. 482

B. 344

C. 216

D. 420

Answer: C

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5. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

16 24 36 54 81 121.5
14 A B C D E

What will come in place of B?

A. 34

B. $31\frac{1}{2}$

C. $30\frac{1}{2}$

D. 32

Answer: B

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6. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series,

4 5   14 10 24 15
8 A B   C   D   E

What will come in place of D?

A. 36

B. 48

C. 28

D. 32

Answer: C

7. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements.

You have to complete the series starting with a given number and answer the question that follows.

2　3　10　39　172　885
5　A　B　C　D　E

What will come in place of C?

A. 59

B. 49

C. 51

D. 57

Answer: D

8. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

3	8	30	132	680	4110
4	A	B	C	D	E

What will come in place of C?

A. 156

B. 136

C. 142

D. 148

Answer: A

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9. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

2 9 23 51 107 219
7 A B C D E

What will come in place of D?

A. 91

B. 67

C. 112

D. 187

Answer: D

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10. You are given two series in two rows. In the
first row, a full series is given which follows a
specific pattern. The second row has a series,

similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

3 5 13 49 241 1441
6 A B C D E

What will come in place of C?

A. 31

B. 121

C. 601

D. 111

Answer: B

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11. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements.

You have to complete the series starting with a given number and answer the question that follows.

3	7	19	55	163	487
10	A	B	C	D	E

What will come in place of A?

A. 86

B. 22

C. 28

D. 15

Answer: C

12. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

3	40	176	537	1078	1079
1	A	B	C	D	E

What will come in place of E?

A. 839

B. 738

C. 829

D. 938

Answer: A

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13. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

9 10 16 57 212 1085
2 A   B   C   D   E

What will come in place of C?

A. 37

B. 15

C. 18

D. 25

Answer: B

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14. You are given two series in two rows. In the

first row, a full series is given which follows a

specific pattern. The second row has a series,

similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

3	12	30	66	138	282
7	A	B	C	D	E

What will come in place of B?

A. 36

B. 70

C. 46

D. 62

Answer: C

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15. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements.

You have to complete the series starting with a given number and answer the question that follows.

3   5   13   43   177   891
2   A   B   C   D   E

What will come in place of D?

A. 173

B. 153

C. 137

D. 147

Answer: B

16. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

3	10	26	83	336	1683
7	A	B	C	D	E

What will come in place of B?

A. 32

B. 30

C. 34

D. 36

Answer: C

17.

You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

4 3 4 7 15 38.5
6 A B C D E

What will come in place of C?

A. 8.5

B. 9.5

C. 8

D. 9

Answer: A

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18. You are given two series in two rows. In the

first row, a full series is given which follows a

specific pattern. The second row has a series,

similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

3 4 16 75 364 1945
1 A B   C   D   E

What will come in place of C?

A. 72

B. 63

C. 66

D. 69

Answer: B

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19. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements.

You have to complete the series starting with a given number and answer the question that follows.

2 6 16 38 84 178
3 A B C D E

What will come in place of D?

A. 92

B. 88

C. 98

D. 100

Answer: D

20. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

6	10	7	12	8	14
4	A	B	C	D	E

What will come in place of D?

A. 9

B. 7

C. 5

D. 6

Answer: D

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21. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

140	68	36	16	10	3
284	A	B	C	D	E

What will come in place of B?

A. 72

B. 140

C. 34

D. 18

Answer: A

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22. You are given two series in two rows. In the

first row, a full series is given which follows a

specific pattern. The second row has a series,

similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

25 194 73 154 105
14 A B C D E

What will come in place of D?

A. 183

B. 62

C. 69

D. 94

Answer: D

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23. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements.

You have to complete the series starting with a given number and answer the question that follows.

6	9	18	45	135
20	A	B	C	D	E

What will come in place of C?

A. 30

B. 1125

C. 375

D. 150

Answer: D

24. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

2	9	57	337	1681
3	A	B	C	D	E

What will come in place of E?

A. 673

B. 3361

C. 13441

D. 17

Answer: C

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You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

3	4	10	33	136
7	A	B	C	D E

What will come in place of E?

A. 57

B. 1165

C. 18

D. 1398

Answer: B

26. You are given two series in two rows. In the

first row, a full series is given which follows a

specific pattern. The second row has a series,

similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

616 496 397 317 254
838 A   B   C   D   E

What will come in place of E?

A. 428

B. 619

C. 476

D. 529

Answer: A

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27. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements.

You have to complete the series starting with a given number and answer the question that follows.

848	420	206	99	45.5
664	A	B	C	D	E

What will come in place of B?

A. 34

B. 328

C. 160

D. 76

Answer: C

28. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

| 6 | 9 | 27 | 121.5 | 729 |
| 8 | A | B | C | D | E |

What will come in place of C?

A. 7290

B. 36

C. 972

D. 162

Answer: D

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29. You are given two series in two rows. In the first row, a full series is given which follows a specific pattern. The second row has a series, similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

6   14   35   111   449
3   A   B   C   D   E

What will come in place of E?

A. 1889

B. 11

C. 93

D. 29

Answer: A

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30. You are given two series in two rows. In the

first row, a full series is given which follows a

specific pattern. The second row has a series,

similar to the first series but only first element of this series is produced followed by (A), (B), (C), (D) and (E) for the subsequent elements. You have to complete the series starting with a given number and answer the question that follows.

434 353 417 368 404 379
108 A   B   C   D   E

What will come in place of D?

A. 53

B. 27

C. 91

D. 78

Answer: D

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Exercise 2

1. Statements: 1. All men are dogs

2. All dogs are cats

Conclusions: 1. All men are cats

2. All cats are men

A. only conclusion 1 follows,

B. only conclusion 2 follows,

C. either conclusion 1 or 2 follows,

D. neither conclusion 1 nor 2 follows,

Answer: A

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2. Statements: 1. All pens are roads

2. All roads are houses

Conclusions: 1. All houses are pens

2. Some houses are pens

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: B

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3. Statements: 1. All huts are banglows

2. All banglows are temples

Conclusions: 1. Some temples are huts

2. Some temples are banglows

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. both conclusion 1 nor 2 follows,

Answer: D

4. Statements: 1. All cars are cats

2. All fans are cats

Conclusions: 1. All cars are fans

2. Some fans are cars

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: D

5. Statements: 1. All roads are waters

2. Some waters are boats

Conclusions: 1. Some boats are roads

2. All waters are boats

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

D. neither conclusion 1 nor 2 follows,

Answer: D

6. Statements: 1. Some hens are cows

2. All cows are horses

Conclusions: 1. Some horses are hens

2. Some hens are horses

A. only conclusion 1 follows,

B. only conclusion 2 follows,

C. either conclusion 1 or 2 follows,

D. both conclusion 1 and 2 follows,

Answer: D

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7. Statements: 1. Some kings are queens

2. All queens are beautiful

Conclusions: 1. All kings are beautiful

2. All queens are kings

A. only conclusion 1 follows,

B. only conclusion 2 follows,

C. either conclusion 1 or 2 follows,

D. neither conclusion 1 nor 2 follows,

Answer: D

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8. Statements: 1. Some books are tables

2. Some tables are mirrors

Conclusions: 1. Some mirrors are books

2. No book is mirror

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: C

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9. Statements: 1. Some papers are pens

2. Some pencils are pens

Conclusions: 1. Some pens are pencils

2. Some pens are papers

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. both conclusion 1 and 2 follows,

Answer: D

10. Statements: 1. All roads are poles

2. No pole is a house

Conclusions: 1. Some roads are houses

2. Some houses are poles

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: D

11. Statements: 1. All mangoes are golden in colour

2. No golden-coloured things are cheap

Conclusions: 1. All mangoes are cheap

2. Golden-coloured mangoes are not cheap.

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

C. either conclusion 1 or 2 follows,

D. neither conclusion 1 nor 2 follows,

Answer: B

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12. Statements: 1. No magazine is cap.

2. All caps are cameras

Conclusions: 1. No camera is magazine

2. Some cameras are magazines

A. only conclusion 1 follows,

B. only conclusion 2 follows,

C. either conclusion 1 or 2 follows,

D. neither conclusion 1 nor 2 follows,

Answer: C

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13. Statements: 1. No bat is ball

2. No ball is wicket

Conclusions: 1. No bat is wicket

2. All wickets are bats

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: D

14. Statements: 1. Most teachers are boys

2. Some boys are students

Conclusions: 1. Some students are boys

2. Some teachers are students

    A. if only conclusion 1 follows,

    B. if only conclusion 2 follows,

    C. if either conclusion 1 or 2 follows,

    D. if neither conclusion 1 nor 2 follows,

Answer: A

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15. Statements: 1. Some engineers are fools

2. Anand is an engineer

Conclusions: 1. Some fools are engineers

2. Anand is a fool

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: A

16. Statements: 1. Some papers are pens

2. Angle is a paper

Conclusions: 1. Angle is not a pen

2. Angle is a pen

    A. if only conclusion 1 follows,

    B. if only conclusion 2 follows,

    C. if either conclusion 1 or 2 follows,

D. if neither conclusion 1 nor 2 follows,

Answer: C

⏵ **View Text Solution**

17. Statements: 1. All fish are grey in colour

2. Some fish are heavy

Conclusions: 1. All heavy fish are grey in colour

2. All light fish are not grey in colour

A. only conclusion 1 follows,

B. only conclusion 2 follows,

C. either conclusion 1 or 2 follows,

D. neither conclusion 1 nor 2 follows,

Answer: A

18. Statements: 1. All hill stations have a sun-set point

2. X is a hill station

Conclusions: 1. X has a sun-set point

2. Places other than hill stations do not have sun-set points

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: A

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19. Statements: 1. Raman is always successful

2. No fool is always successful

Conclusions: 1. Raman is a fool

2. Raman is not a fool

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: B

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20. Statements: 1. No gentleman is poor

2. All gentlemen are rich

Conclusions: 1. No poor man is rich

2. No rich man is poor

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: D

21. Statements: 1. All planets are moons

2. All moons are stars

Conclusions: 1. All moons are planets

2. All planets are stars

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

D. neither conclusion 1 nor 2 follows,

Answer: B

22. Statements: 1. All flowers are stems

2. All stems are roots

Conclusions: 1. All roots are flowers

2. All stems are flowers

A. only conclusion 1 follows,

B. only conclusion 2 follows,

C. either conclusion 1 or 2 follows,

D. neither conclusion 1 nor 2 follows,

Answer: D

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23. Statements: 1. All coins are crows

2. Some crows are pens

Conclusions: 1. No pen is coin

2. Some coins are pens

A. only conclusion 1 follows,

B. only conclusion 2 follows,

C. either conclusion 1 or 2 follows,

D. neither conclusion 1 nor 2 follows,

Answer: D

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24. Statements: 1. All apples are oranges

2. Some oranges are papayas

Conclusions: 1. Some apples are papayas

2. Some papayas are apples

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: D

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25. Statements: 1. All windows are needles

2. Some trees are windows

Conclusions: 1. Some trees are needles

2. Some trees are not needles

    A. only conclusion 1 follows,

    B. only conclusion 2 follows,

    C. either conclusion 1 or 2 follows,

    D. neither conclusion 1 nor 2 follows,

Answer: A

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Exercise 3

1. Five friends P, Q, R, S and T are standing in a row facing East. Who is standing at the extreme right end?

I. Only P is between S and T. R is to immediate right of T.

II. R is between T and Q.

A. the data in statement I alone are

sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data in both statements I and II together are necessary to answer the question.

Answer: D

2. What is the colour of the fresh grass?

I. Blue is called green, red is called orange, orange is called yellow.

II. Yellow is called white, white is called black, green is called brown and brown is called purple.

A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data given in both statements I and

II together are not sufficient to answer

the question,

Answer: B

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3. In a certain code, 'nop al ed' means 'They like flowers'. Which code word means 'flowers'?

I. 'id nim nop' means 'They are innocent'.

II. 'gob ots al' means 'We like roses'.

A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are
   sufficient to answer the question, while
   the data in statement I alone are not
   sufficient to answer the question,

C. the data either in statement I alone or in
   statement II alone are sufficient to
   answer the question,

D. the data in both statements I and II
   together are necessary to answer the
   question.

Answer: D

4. What is the code for 'sky' in the code language?

I. In the code language, 'sky is clear' is written as 'de ra fa'.

II. In the same code language, 'make it clear' is written as 'de ga jo'.

A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. the data either in statement I alone or in statement II alone are sufficient to

answer the question,

D. the data given in both statements I and II together are not sufficient to answer the question,

Answer: D

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5. Which word in the code language means 'flower'?

I. de fu la pane' means 'rose flower is beautiful'

and 'la quiz' means 'beautiful tree'.

II. 'de la chin' means 'red rose flower' and 'pa chin' means 'red tea'.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while

the data in statement I alone are not sufficient to answer the question,

C. if the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: D

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6. Which code word stands for 'good' in the coded sentence 'sin co bye' which means 'He is good'?

I. In the same code language, 'co mot det' means 'They are good'.

II. In the same code language, 'sin mic bye' means 'He is honest'.

   A. if the data in statement I alone are

      sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. if the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: C

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7. What is the code for 'is' in the code language?

I. In the code language, 'shi tu ke' means 'pen is blue'.

II. In the same code language, 'ke si re' means 'this is wonderful'.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. if the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. if the data in both statements I and II together are necessary to answer the question.

Answer: D

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8. How is F related to P?

I. P has two sisters M and N.

II. F's mother is sister of M's father.

    A. the data in statement I alone are

        sufficient to answer the question, while

        the data in statement II alone are not

        sufficient to answer the question,

    B. the data in statement II alone are

        sufficient to answer the question, while

the data in statement I alone are not sufficient to answer the question,

C. the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. the data in both statements I and II together are necessary to answer the question.

Answer: D

9. How is X related to Y?

I. Y says, "I have only one brother".

II. X says, "I have only one sister".

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I

and II together are not sufficient to

answer the question,

Answer: D

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10. In a certain code language, '297' means 'tie

clip button'. Which number means 'button' in

that language?

I. In that language, '926' means 'clip your tie'.

II. In that language, '175' means 'hole and

button'.

    A. if the data in statement I alone are

        sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. if the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: C

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11. How is D related to A?

I. B is the brother of A.

II. B is D's son.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. if the data either in statement I alone or in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: D

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12. How is J related to P?

I. M is brother of P and T is sister of P.

II. P's mother is married to J's husband who has one son and two daughters.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. if the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: B

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13. How is T related to K?

I. R's sister J has married T's brother L, who is the only son of his parents.

II. K is the only daughter of L and J.

    A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

    B. the data in statement II alone are sufficient to answer the question, while

the data in statement I alone are not sufficient to answer the question,

C. the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. the data in both statements I and II together are necessary to answer the question.

Answer: D

14. B is the brother of A. How is A related to B?

I. A is the sister of C.

II. E is the husband of A.

  A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

  B. the data in statement II alone are sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data given in both statements I and

II together are not sufficient to answer

the question,

Answer: C

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15. How is M related to N?

I. P, who has only two kids, M and N, is the mother-in-law of Q, who is sister-in-law of N.

II. R, the sister-in-law of M, is the daughter in-law of S, who has only two kids, M and N.

    A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data given in both statements I and

II together are not sufficient to answer

the question,

Answer: A

16. How is Tanya related to the man in the

photo graph?

I. Man in the photograph is the only son of

Tanya's grandfather.

II. The man in the photograph has no brothers

or sisters and his father is Tanya's grandfather.

A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. the data either in statement I alone or in statement II alone are sufficient to

answer the question,

D. the data given in both statements I and

II together are not sufficient to answer

the question,

Answer: C

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17. Who is to the immediate right of P among

five persons P, Q, R, S and T facing North?

I. R is third to the left of Q and P is second to

the right of R.

II. Q is to the immediate left of T who is second

to the right of P.

A. the data in statement I alone are

sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data given in both statements I and

II together are not sufficient to answer

the question,

Answer: C

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18. In a row of five children A, B, C, D and E, who is standing in the middle?

I. D is to the immediate right of E and B is to the immediate left of E.

II. B is at the extreme left of the row.

    A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. the data in both statements I and II together are necessary to answer the question.

Answer: D

19. In a row of five buildings - P, Q, R, S and T, which building is in the middle?

I. Buildings S and Q are at the two extreme ends of the row.

II. Building T is to the right of building R.

    A. the data in statement I alone are sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data given in both statements I and

II together are not sufficient to answer

the question,

Answer: D

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20. M, D, T and W are sitting around a circle

facing at the centre. Who is to the immediate

left of D?

I. M is between T and W and D is to the

immediate left of T.

II. D is second to the left of M.

A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data given in both statements I and

II together are not sufficient to answer

the question,

Answer: A

21. A, B, C, D and E are sitting around a circular table facing the centre. Who is to the immediate left of C?

I. Only A is between E and B.

II. D is to the immediate left of B.

   A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. the data in both statements I and II together are necessary to answer the question.

Answer: D

22. P, Q, R and S are sitting around a circle facing at the centre. Who is to the immediate right of Q?

I. R is between P and S.

II. S is to the immediate right of R.

A. the data in statement I alone are sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data in both statements I and II together are necessary to answer the question.

Answer: D

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23. P, Q, R, S and T are sitting around a circle facing towards its centre. Who is second to the right of P?

I. R is to the immediate left of T and second to

the right of S.

II. Q is to the immediate right of S and third to the left of P.

A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data given in both statements I and

II together are not sufficient to answer

the question,

Answer: B

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24. P, Q, R, S and T are sitting around a circular table facing towards the centre. Who among them is sitting to the immediate right of R?

I. Q is sitting between P and T, and Tis sitting to the immediate right of S.

II. Q is second to the left of R and is second to the right of S.

A. the data in statement I alone are sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data given in both statements I and II together are not sufficient to answer the question,

Answer: C

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25. A, B, C, D and E are seated around a circular table facing at the centre. Who is to the immediate right of B?

I. D is in between A and E.

II. C is in between B and E.

   A. if the data in statement I alone are

      sufficient to answer the question, while

      the data in statement II alone are not

      sufficient to answer the question,

   B. if the data in statement II alone are

      sufficient to answer the question, while

      the data in statement I alone are not

      sufficient to answer the question,

C. if the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: D

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26. Who is sitting to the immediate right of Tanisha among five friends sitting around a circle facing the center?

I. Ayesha is sitting exactly between Kanak and Sneha and Raj is sitting to the immediate right of Sneha.

II. Tanisha is sitting exactly between Kanak and Raj and Ayesha is sitting to the immediate right of Kanak.

   A. if the data in statement I alone are

      sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. if the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: C

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27. Among T, V, B, E and C, who is the third from the top when arranged in the descending order of their weights?

I. B is heavier than T and C and is less heavier

than V who is not the heaviest.

II. C is heavier than only T.

A. if the data in statement I alone are

sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. if the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

   in statement II alone are sufficient to

   answer the question,

D. if the data given in both statements I

   and II together are not sufficient to

   answer the question,

Answer: A

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28. Among M, N, D, P and K, who earns more than only the least earner among them?

I. N earns more than M and P but less than only D.

II. M earns more than P who earns less than K.

  A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are

   sufficient to answer the question, while

   the data in statement I alone are not

   sufficient to answer the question,

C. the data either in statement I alone or in

   statement II alone are sufficient to

   answer the question,

D. the data given in both statements I and

   II together are not sufficient to answer

   the question,

Answer: D

29. Who among P, Q, T, V and M is exactly in the middle when they are arranged in ascending order of their heights?

I. V is taller than Q but shorter than M.

II. T is taller than Q and M but shorter than P.

 A. the data in statement I alone are sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data in both statements I and II together are necessary to answer the question.

Answer: D

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30. Who among P, Q, R, S and T is the lightest?

I. R is heavier than Q and T but lighter than S.

II. S is not the heaviest.

A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. the data either in statement I alone or in statement II alone are sufficient to

answer the question,

D. the data given in both statements I and II together are not sufficient to answer the question,

Answer: D

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31. Village R is in which direction with respect to village D?

I. Village R is to the north of village T which is

to the west of village F.

II. Village D is to the west of village T.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. if the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. if the data in both statements I and II together are necessary to answer the question.

Answer: D

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32. Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement are sufficient to answer the question . Read both the statements and - Give answer

What is the shortest distance between Devipur and Durgapur ?

I. Durgapur is 20 km away from Ramput.

II. Devipur is 15 km away from Rampur.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. if the data either in statement I alone or in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I

and II together are not sufficient to

answer the question,

Answer: D

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33. Village K is towards which direction of the

village N?

I. Village M is to the north of village N and to

the east of village K.

II. Village D is to the west of village N and to the south of village K.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I

and II together are not sufficient to

answer the question,

Answer: C

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34. Which direction is Sunny facing now?

I. If Sunny turns to his right and again turns to his right, he will be facing North.

II. If Sunny walks some distance and turns left and again walks some distance, then his face will be towards left of Dinesh who is facing South.

A. if the data in statement I alone are sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. if the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: C

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35. In which direction is Rahul facing?

I. In the early morning Rahul was standing in front of a puppet and the shadow of puppet was falling to the right of Rahul.

II. In the early morning Rahul was standing on the ground. His shadow was falling behind him when he turned to his left.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I

and II together are not sufficient to

answer the question,

Answer: C

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36. What is Sachin's rank from the top in a class of 25 students?

I. Sachin ranks three ranks above Amit who ranks 18th from the bottom.

II. Sachin's rank from the top is two ranks below Deepti who ranks 23rd from the bottom.

    A. the data in statement I alone are sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. the data either in statement I alone or in

statement II alone are sufficient to

answer the question,

D. the data given in both statements I and

II together are not sufficient to answer

the question,

Answer: C

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37. How many children are there in the row of

children facing North?

I. Vishakha who is fifth the left end is eighth to

the left of Ashish who is twelfth from the right

end.

II. Rohit is fifth to the left of Nisha who is seventh from the right end and eighteenth from the left end.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I

and II together are not sufficient to

answer the question,

Answer: C

▶ View Text Solution

38. How many children are there between P and Q in a row of children?

I. P is fifteenth from the left in the row.

II. Q is exactly in the middle and there are ten children towards his right.

A. the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. the data in both statements I and II together are necessary to answer the question.

Answer: D

39. What is Sumit's position from the right end in a row of children?

I. There are 10 children between Sumit and Rajan.

II. Rajan is twentieth from the left end of the row of children.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. if the data either in statement I alone or in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: D

40. What is the rank of P from the bottom in a class of 30 students?

I. M is third from the top and there are five

students between M and P.

II. The rank of K is fourth from the bottom and

there are 17 students between K and P.

A. if the data in statement I alone are

sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. if the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I

and II together are not sufficient to

answer the question,

Answer: C

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41. What is Nitin's rank from the top in a class of forty students?

I. There are ten students between Nitin and Deepak.

II. Deepak is twentieth from the top.

   A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are

   sufficient to answer the question, while

   the data in statement I alone are not

   sufficient to answer the question,

C. if the data either in statement I alone or

   in statement II alone are sufficient to

   answer the question,

D. if the data given in both statements I

   and II together are not sufficient to

   answer the question,

Answer: D

42. Gaurav ranks eighteenth from the top in a class. What is his rank from the last?

I. There are 47 students in the class.

II. Jatin who ranks 10th in the same class, ranks 38th from the last.

A. if the data in statement I alone are sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. if the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: C

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43. On which date in August was Kapil born?

I. Kapil's mother remembers that Kapil was born before nineteenth but after fifteenth.

II. Kapil's brother remembers that Kapil was born before seventeenth but after twelfth.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. if the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. if the data in both statements I and II together are necessary to answer the question.

Answer: D

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44. On which day of the week did Hitesh visit the zoo?

I. Hitesh did not visit zoo either on Tuesday or on Thursday.

II. Hitesh visited zoo two days before his mother reached his house which was day after Monday.

   A. if the data in statement I alone are sufficient to answer the question, while

the data in statement II alone are not

sufficient to answer the question,

B. if the data in statement II alone are

sufficient to answer the question, while

the data in statement I alone are not

sufficient to answer the question,

C. if the data either in statement I alone or

in statement II alone are sufficient to

answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: B

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45. On which day of the week was birthday of Sahil?

I. Sahil celebrated his birthday the very next day on which Arun celebrated his birth day.

II. The sister of Sahil was born on the third day of the week and two days after Sahil was born.

A. if the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question,

B. if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question,

C. if the data either in statement I alone or in statement II alone are sufficient to answer the question,

D. if the data given in both statements I and II together are not sufficient to answer the question,

Answer: B

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