





Mahendra's



RBI GRADE B & ASSISTANT

Reasoning Ability

DIRECTION AND DISTANCE

MOST EXPECTED QUESTIONS

DAY-2

LIVE

10:30 AM





UPCOMING ONLINE BATCHES

December 2021

01 Dec 2021

08:00 AM to 10:00 AM

LIVE PREMIUM GREEN CARD
(BANK-PO & CLERK)

05:30 PM to 07:30 PM

LIVE PREMIUM GREEN CARD
(BANK-PO & CLERK)

01:00 PM to 03:00 PM

LIVE PREMIUM SILVER CARD
(SSC CGL & CHSL)

07:30 PM to 09:30 PM

SSC CGL MAINS LIVE COURSE
(SSC CGL)

BILINGUAL

08 Dec 2021

10:30 AM to 12:30 PM

LIVE PREMIUM GREEN CARD
(BANK-PO & CLERK)

03:00 PM to 05:00 PM

LIVE PREMIUM GREEN CARD
(BANK-PO & CLERK)

08:00 AM to 10:00 AM

LIVE PREMIUM SILVER CARD
(SSC CGL & CHSL)

08:00 AM to 10:00 AM

CCC NIELIT LIVE COURSE

BILINGUAL

15 Dec 2021

01:00 PM to 03:00 PM

LIVE PREMIUM
GREEN CARD
(BANK-PO & CLERK)

10:30 AM to 12:30 PM

LIVE PREMIUM
SILVER CARD
(SSC CGL & CHSL)

BILINGUAL

22 Dec 2021

08:00 AM to 10:00 AM

LIVE PREMIUM
GREEN CARD
(BANK-PO & CLERK)

07:30 PM to 09:30 PM

LIVE PREMIUM
SILVER CARD
(SSC CGL & CHSL)

BILINGUAL

29 Dec 2021

10:30 AM to 12:30 PM

LIVE PREMIUM GREEN CARD
(BANK-PO & CLERK)

07:30 PM to 09:30 PM

LIVE PREMIUM GREEN CARD
(BANK-PO & CLERK)

03:00 PM to 05:00 PM

LIVE PREMIUM SILVER CARD
(SSC CGL & CHSL)

BILINGUAL



A \$ B means A is to the north of B at a distance of either 4m or 9m

A & B means A is to the west direction of B at a distance of either 3m or 12m

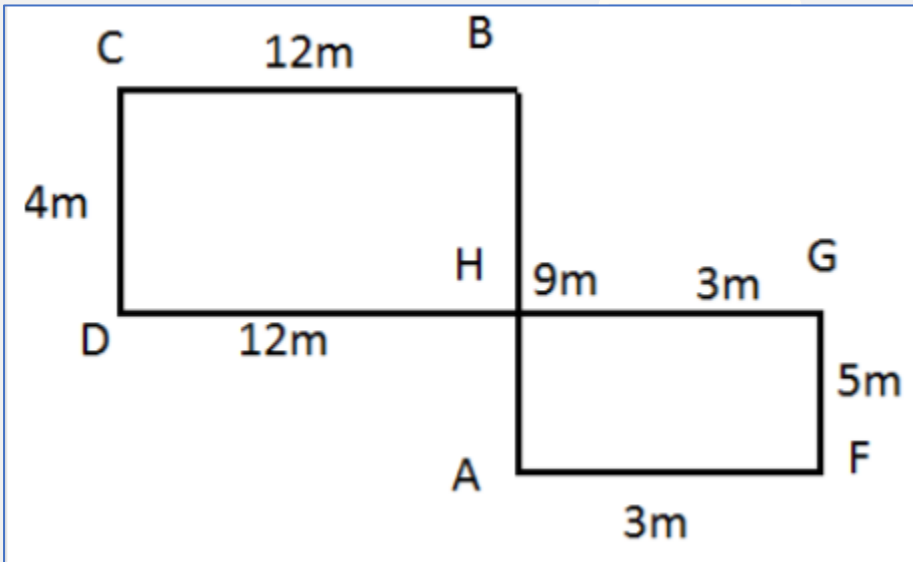
A % B means A is to the south direction of B at a distance of either 4m or 9m

A # B means A is to the east direction of B at a distance of either 3m or 12m

A \$# B means A is to the north-east of B

A %# B means A is to the south-east direction of B

Statement B\$A, C&B, D%C, D\$&A, D&H&G, B\$H, A&F, (CB>AF)



In which direction is C with respect to F?

- a. North b. East c. North-East d. North-West e. None of these

What is the distance between D and G?

- a. 10 m b. 28 m c. 9m d. 15 m e. 14 m

What is the total distance between F and G?

- a. 5m b. 15m c. 4m d. 12m e. None of these



In which direction is B with respect to D?

- a. North b. East c. North-East d. North-West e. None of these

If C & J, then what is the total distance between J and D. (It is given that $AF=CJ$) a. 5m b. 15m c. 4m d. 12m e. None of these

2:00

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A@B (6)- A is 10m in north of B

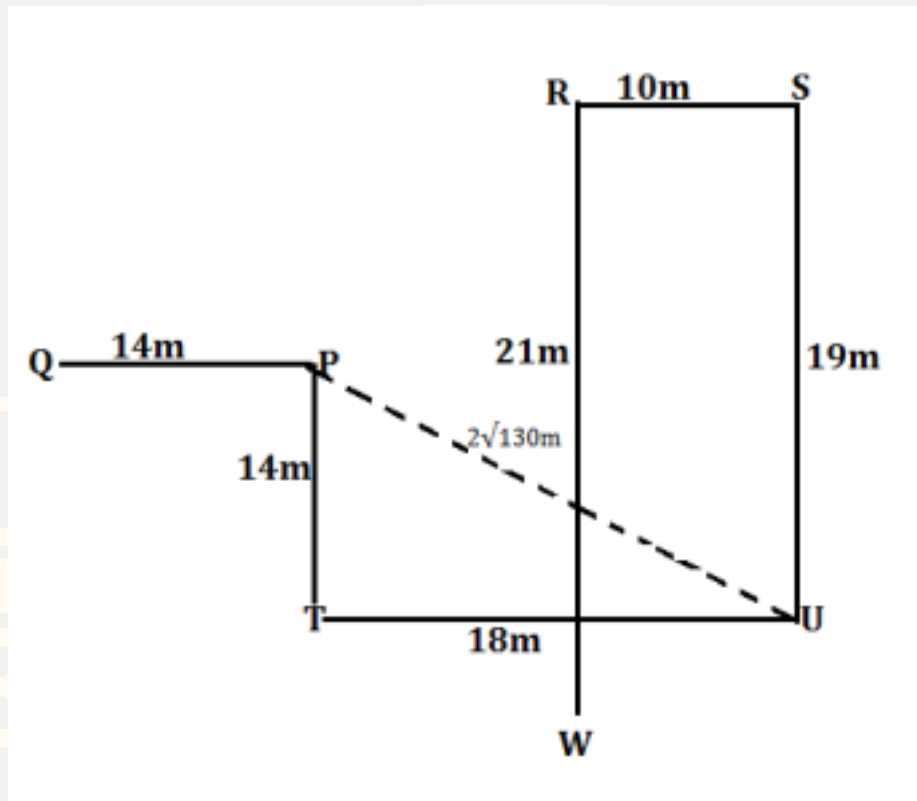
A\$B (10)- A is 14m in south of B

A%B (12)- A is 10m in east of B

A&B (15)- A is 13m in west of B

P%Q(16), R&S(12), T&U(20), U\$S(15),

P@T(10), W\$R(17)



What is the shortest distance between point P and point U?

(a) $2\sqrt{130}m$ (b) 520m (c) 130m (d) 260m (e) None of these

If M is the mid point of the line segment TU, then determine the distance between the point T and point M? (a) 9m (b) 10m (c) 8m (d) None of these (e) 7m

What is the shortest distance between the point U and point W? (a) 85m (b) 120m (c) None of these (d) $\sqrt{104}m$ (e) $\sqrt{130}m$

A started his journey at 7:00 am, after walking 50 km he turn to his right and walked for 70 km, again he turn to his right and walked for 50 km, finally he again turn to his right and walked for 30 km. If he completed his journey with the speed of 20 km/hr and now his shadow is at right side. Then now how far and in which direction he is from the starting point ?

A ने सुबह 7:00 बजे अपनी यात्रा शुरू की, 50 किमी चलने के बाद वह अपनी दाईं ओर मुड़ा और 70 किमी तक चला, फिर से वह अपनी दाईं ओर मुड़ता है और 50 किमी तक चलता है, अंत में वह फिर से अपने दाईं ओर मुड़ता है और 30 किमी तक चलता है। यदि उसने 20 किमी / घंटा की गति से अपनी यात्रा पूरी की और अब उसकी छाया दाईं ओर है। फिर अब वह प्रारंभिक बिंदु से कितनी दूर और किस दिशा में है?

(A) 40 km East

(B) 40km South

(C) 40 km North

(D) 40 km west

(E) None Of These



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Point G is 30m to the east of point B, which is 20m to the north of point A. Point F is 16m to the west of point E. Point H is 12m to the south of point F. Point E is 10m to the south of point G. Point C is 13m to the east of point F.

बिंदु G, बिंदु B के पूर्व में 30 मीटर है, जो बिंदु A के उत्तर में 20 मीटर है। बिंदु F के पश्चिम में बिंदु E 16 मीटर है। बिंदु F के दक्षिण में बिंदु H से 12 मीटर है। बिंदु E से दक्षिण की ओर 10m है बिंदु G के बिंदु C, बिंदु F के पूर्व में 13 मी।

If point Y is 6m south of point G then find the shortest distance between point C and point Y ?

- (A) 6 m
- (B) 7 m
- (C) 5 m
- (D) 4 m
- (E) Either 5m or 7m

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Five friends are playing a game. Nitin is facing South. He follows instructions given by his friends.

(i) When Kimi touch him, Nitin walks 50 metre.

(ii) When Neha touch him, Nitin turns right and walks 40 metre.

(iii) When Annu touch him, Nitin turns left and walks 80 metre.

(iv) When Punit touch him, Nitin walks 70 metre in the direction opposite to which he faces.

If Kimi, Annu, Punit and Neha touch him in that order, how far does Nitin reach from his starting point? A. 60 metre. B. 72 metre. C. 80 metre. D. 75 metre. E. None of these

There is PQ axis in such a way that P is in north and Q is in south direction. There is RS axis in such a way that R is in west direction and S is in east direction. PQ axis and RS axis intersect at a point X in such a way that PX is 20 m, XQ is 23 m, XR is 19 m, XS is 31 m.

Car A starts from point R and travels 28 m in south direction and then it takes a left turn and travels 45 m. Car B starts from point P and travels 26 m in east direction. Car C starts from point S and travels 7 m in north direction and then it takes a left turn and travel 5 m and again it takes a left turn and travels 30 m.

PQ अक्ष इस प्रकार है कि P उत्तर में है और Q दक्षिण दिशा में है। RS अक्ष इस प्रकार है कि R पश्चिम दिशा में है और S पूर्व दिशा में है। PQ अक्ष और RS अक्ष एक बिंदु X पर इस प्रकार प्रतिच्छेद करते हैं कि PX 20 मीटर, XQ 23 मीटर, XR 19 मीटर, XS 31 मीटर है। कार A बिंदु R से शुरू होती है और दक्षिण दिशा में 28 मीटर चलती है और फिर वह बाएं मुड़ती है और 45 मीटर की यात्रा करती है। कार B बिंदु P से शुरू होती है और पूर्व दिशा में 26 मीटर चलती है। कार C बिंदु S से शुरू होती है और उत्तर दिशा में 7 मीटर चलती है और फिर वह बाएं मुड़ती है और 5 मीटर की यात्रा करती है और फिर से बाएं मुड़ती है और 30 मीटर की यात्रा करती है।

$X * Y$ means X is to the left of Y at a distance of 5m.

$X \# Y$ means X is to the south direction of Y at a distance of 3m.

$X @ Y$ means X is to the right of Y at a distance of 2m.

$X \% Y$ means X is to the north direction of Y at a distance of 4m.

a) $M @ N \% O \# K @ L$, then in which direction is L with respect to O?

- i. North
- ii. East
- iii. Right
- iv. North-West
- v. North-East

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X % Y means X is to the north direction of Y at a distance of 4m.

P % U, B @ U, C # B, W * C, then find the minimum distance between W & U?

i.3 cm

ii.7 cm

iii.6 cm

iv.9 cm

v.5 cm

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X * Y means X is to the left of Y at a distance of 5m.

X # Y means X is to the south direction of Y at a distance of 3m.

X @ Y means X is to the right of Y at a distance of 2m.

X % Y means X is to the north direction of Y at a distance of 4m.

O @ H * K % X * Z, then H is in which direction with respect to Z?

- i. South
- ii. North-West
- iii. West
- iv. North-East
- v. East



In a morning , Mohan and Sohan are talking with each other. The shadow of Mohan falls on the right side of him . Find the direction in which Mohan and Sohan are facing respectively.

एक सुबह, मोहन और सोहन एक दूसरे के साथ बात कर रहे हैं। मोहन की छाया सोहन के दाहिनी ओर पड़ती है। उस दिशा का पता लगाएं जिसमें मोहन और सोहन क्रमशः सामना कर रहे हैं।



- a) North , South
- b) North , West
- c) North-East , South
- d) West

आठ व्यक्ति A, B, C, D, E, F, G और H एक ही इमारत की आठ मंजिलों के विभिन्न तलों पर रहते हैं (भूतल को पहली मंजिल के रूप में गिना जाता है जबकि सबसे ऊपरी मंजिल को आठवीं मंजिल के रूप में गिना जाता है)। उनका जन्म एक ही महीने के एक ही दिन लेकिन अलग-अलग वर्षों में हुआ था। उनकी सभी आयु को आधार वर्ष यानी 2018 से माना जाना है। G 42 वर्ष का है और 5वीं मंजिल के नीचे एक विषम संख्या वाली मंजिल पर रहता है। B, दूसरी मंजिल पर रहने वाले व्यक्ति से 20 छोटा है। G और 1984 में पैदा हुए व्यक्ति के बीच केवल तीन व्यक्ति रहते हैं। F चौथी मंजिल पर रहता है और वह 13 वर्ष का है। A सम संख्या वाली मंजिल पर रहता है। C और D के मध्य तीन तल हैं, जो एक सम संख्या वाली मंजिल पर रहता है। H, 34 वर्ष का है और एक विषम संख्या वाली मंजिल पर रहता है। वह व्यक्ति जिसकी आयु 28 वर्ष है, E जिस तल पर रहता है उसके ठीक ऊपर रहता है। वह व्यक्ति जो भूतल पर रहता है, चौथी मंजिल पर रहने वाले व्यक्ति से 5 वर्ष बड़ा है। D का जन्म 1996 में हुआ था। B उस तल के ऊपर रहता है जिस पर C रहता है। एक व्यक्ति का जन्म 1962 में हुआ था।

Eight persons A, B, C, D, E, F, G and H live on different floors of the same building having eight floors (the ground floor is numbered as the first floor while the topmost floor is numbered as the eighth floor). They were born on the same day of the same month but in different years. All their ages are to be considered from the base year i.e. 2018. G is 42 years old and lives on an odd numbered floor below the 5th floor. B is 20 younger than the one who lives on 2nd floor. Only three persons live between G and the one who was born in 1984. F lives on 4th floor and he is 13 years old. A lives on even numbered floor. There are three floors in between C and D who lives on an even numbered floor. H is 34 years old and lives on an odd numbered floor. The one who is 28 years old lives immediate above the floor on which E lives. The one who lives on



Eight persons A, B, C, D, E, F, G and H live on different floors of the same building having eight floors (the ground floor is numbered as the first floor while the topmost floor is numbered as the eighth floor). They were born on the same day of the same month but in different years. All their ages are to be considered from the base year i.e. 2018. G is 42 years old and lives on an odd numbered floor below the 5th floor. B is 20 younger than the one who lives on 2nd floor. Only three persons live between G and the one who was born in 1984. F lives on 4th floor and he is 13 years old. A lives on even numbered floor. There are three floors in between C and D who lives on an even numbered floor. H is 34 years old and lives on an odd numbered floor. The one who is 28 years old lives immediate above the floor on which E lives. The one who lives on ground floor is 5 years older than the one who lives on 4th floor. D was born in 1996. B lives above the floor on which C lives. One person was born in 1962.

Solutions (1-5)

Sol.

Floor	Person	Year
8	A	1962
7	H	1984
6	D	1996
5	B	2010
4	F	2005
3	G	1976
2	C	1990
1	E	2000

How many people live between B and the one who was born in 1990?


- (a) Four
- (b) Three
- (c) Two
- (d) One
- (e) More than Four

Who among the following lives on top most floor?

- (a) The one who was born in 1962
- (b) D
- (c) E
- (d) H
- (e) C

Who among the following lives on 5th floor?

- (a) The one who is 8 years old
- (b) R
- (c) The one who was born in 1984
- (d) C
- (e) E

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Solutions (1-5)**Sol.**

Floor	Person	Year
8	A	1962
7	H	1984
6	D	1996
5	B	2010
4	F	2005
3	G	1976
2	C	1990
1	E	2000

Who among the following lives just below the one who was born in 1976?

- (a) D
- (b) B
- (c) C
- (d) A
- (e) F

Which of the following combinations is true?

- (a) Fifth floor-F
- (b) Second floor-E
- (c) Sixth floor-G
- (d) Eighth floor -A
- (e) Third floor-H

