

REASONING

10:00 PM

DISTANCE & DIRECTION

चाहे कैसा भी

DIRECTION

हल निकालो चुटकियों में

PART - 2



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2019

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Distance & Direction

LEVEL 1





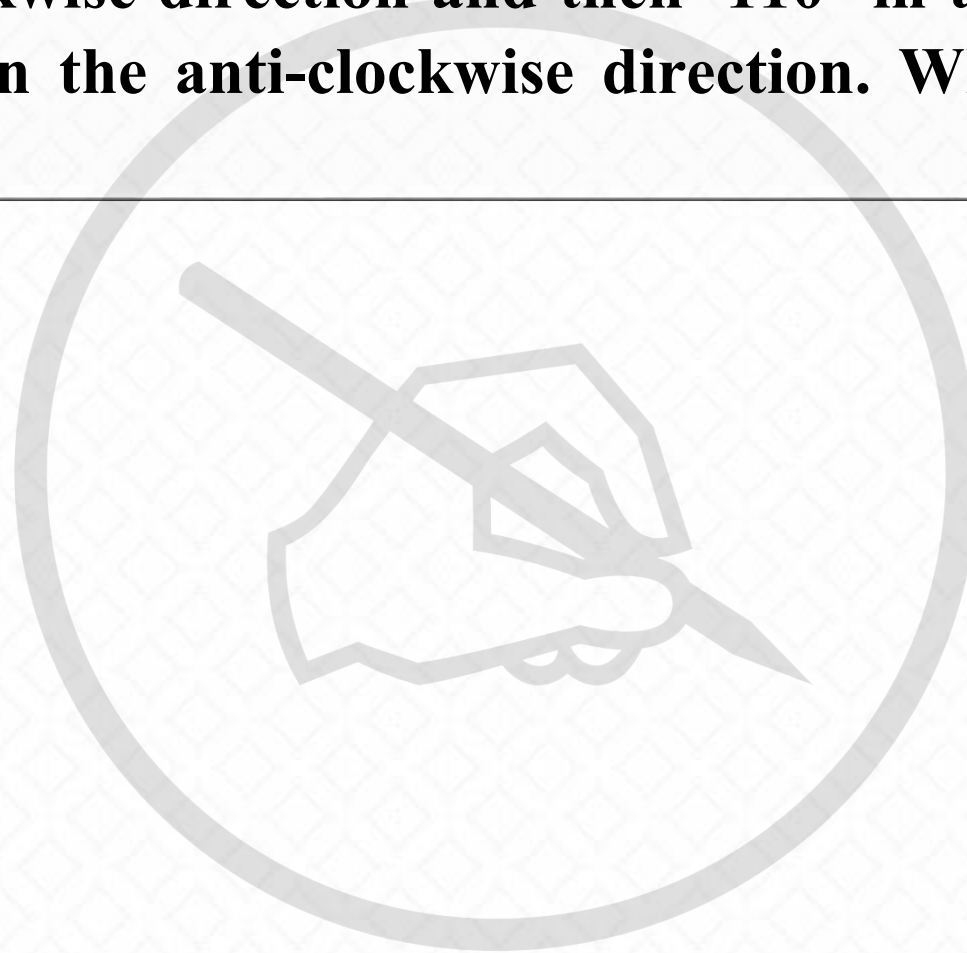
1

Ram is facing east. He turns 145° in the clockwise direction and then 120° in the anti-clockwise direction and then 170° in the clockwise direction and then 125° in the clockwise direction and then 110° in the anti-clockwise direction and then 150° in the anti-clockwise direction. Which direction is he facing now?

राम पूरब की ओर देख रहा है। वह घड़ी की दिशा में 145° और फिर वामावर्त दिशा 120° और फिर घड़ी की दिशा में 170° और फिर घड़ी की दिशा में 125° और फिर वामावर्त दिशा में 110° और फिर वामावर्त दिशा 150° में मुड़ता है। अब वह किस दिशा में देख रहा है?

1

Ram is facing east. He turns 145° in the clockwise direction and then 120° in the anti-clockwise direction and then 170° in the clockwise direction and then 125° in the clockwise direction and then 110° in the anti-clockwise direction and then 150° in the anti-clockwise direction. Which direction is he facing now?



A) South – East

B) North – East

C) South

D) North – West

E) None of these

2

Saanvi moved a distance of 15 metre towards the north. She then turned to the left and walking for about 25 metre, turned left again and walked 20 metre. She then turned to the left and walking for about 18 metre, turned left again and walked 12 metre Finally, she turned to the right at an angle of 135° . In which direction was she moving finally?

सानवी उत्तर की ओर 15 मीटर की दूरी पर चली गई। वह फिर बाईं ओर मुड़ी और लगभग 25 मीटर तक चलकर फिर से बाईं ओर मुड़ गई और 20 मीटर चल पड़ी। वह फिर बाईं ओर मुड़ी और लगभग 18 मीटर तक चलकर फिर से बाईं ओर मुड़ गई और 12 मीटर चली, अंत में, वह 135° के कोण पर दाईं ओर मुड़ गई। वह आखिर में किस दिशा की ओर आगे बढ़ रही थी?

2

Saanvi moved a distance of 15 metre towards the north. She then turned to the left and walking for about 25 metre, turned left again and walked 20 metre. She then turned to the left and walking for about 18 metre, turned left again and walked 12 metre Finally, she turned to the right at an angle of 135° . In which direction was she moving finally?

A) South – East

B) North – East

C) South - West

D) North – West

E) None of these

3

Saanvi moved a distance of 15 metre towards the north. She then turned to the left and walking for about 25 metre, turned left again and walked 20 metre. She then turned to the left and walking for about 18 metre, turned left again and walked 12 metre Finally, she turned to the right at an angle of 135° . How far is she standing when she start with respect to the point when she complete her fourth turn and in which direction ?

सानवी उत्तर की ओर 15 मीटर की दूरी पर गई। वह फिर बाईं ओर मुड़ी और लगभग 25 मीटर तक चलकर फिर से बाईं ओर मुड़ गई और 20 मीटर चल पड़ी। वह फिर बाईं ओर मुड़ी और लगभग 18 मीटर तक चलकर फिर से बाईं ओर मुड़ गई और 12 मीटर चली, अंत में, वह 135° के कोण पर दाईं ओर मुड़ गई। बताइये बिंदु से शुरूआत करने से लेकर चौथे मोड़ तक किस दिशा में और कितना दूर है?

3

Saanvi moved a distance of 15 metre towards the north. She then turned to the left and walking for about 25 metre, turned left again and walked 20 metre. She then turned to the left and walking for about 18 metre, turned left again and walked 12 metre Finally, she turned to the right at an angle of 135° . How far is she standing when she start with respect to the point when she complete her fourth turn and in which direction ?

A) $7\sqrt{2}$ South – East

B) $8\sqrt{2}$ North – East

C) $7\sqrt{2}$ South - West

D) $7\sqrt{3}$ North – West

E) None of these

4

A clock is placed in such a way that when it is 6'0 clock, the hour hands point towards south east direction. At 9 PM in which direction will the hour hand facing?

एक घड़ी को इस तरह से रखा जाता है कि जब वह 6'0 घड़ी हो, तो उसकी घंटे वाली सुई दक्षिण दिशा की ओर इशारा कर रही हैं। शाम 9 बजे घंटे की सुई किस दिशा में जाएगी?



A) South-East

B) North-East

C) East-North

D) West-South

E) None of these

5

In an evening A and B are walking towards each other at that time shadow of A is towards his right then find out in which direction B is facing now?

शाम को A और B उस समय एक दूसरे की ओर चल रहे हैं A की छाया उसके दाहिने ओर है, फिर पता लगाएं कि अभी किस दिशा में B देख रहा है?



A) South

B) North

C) East

D) West

E) None of these

6

In an evening P and Q were standing back to each other at that time shadow of P is towards his right then find out in which direction Q is facing now?

एक शाम को P और Q एक दूसरे के उल्टा खड़े थे, उस समय P की छाया उसके दाहिनी तरफ है, फिर पता लगाएं कि Q किस दिशा का सामना कर रहा है?



A) South

B) North

C) East

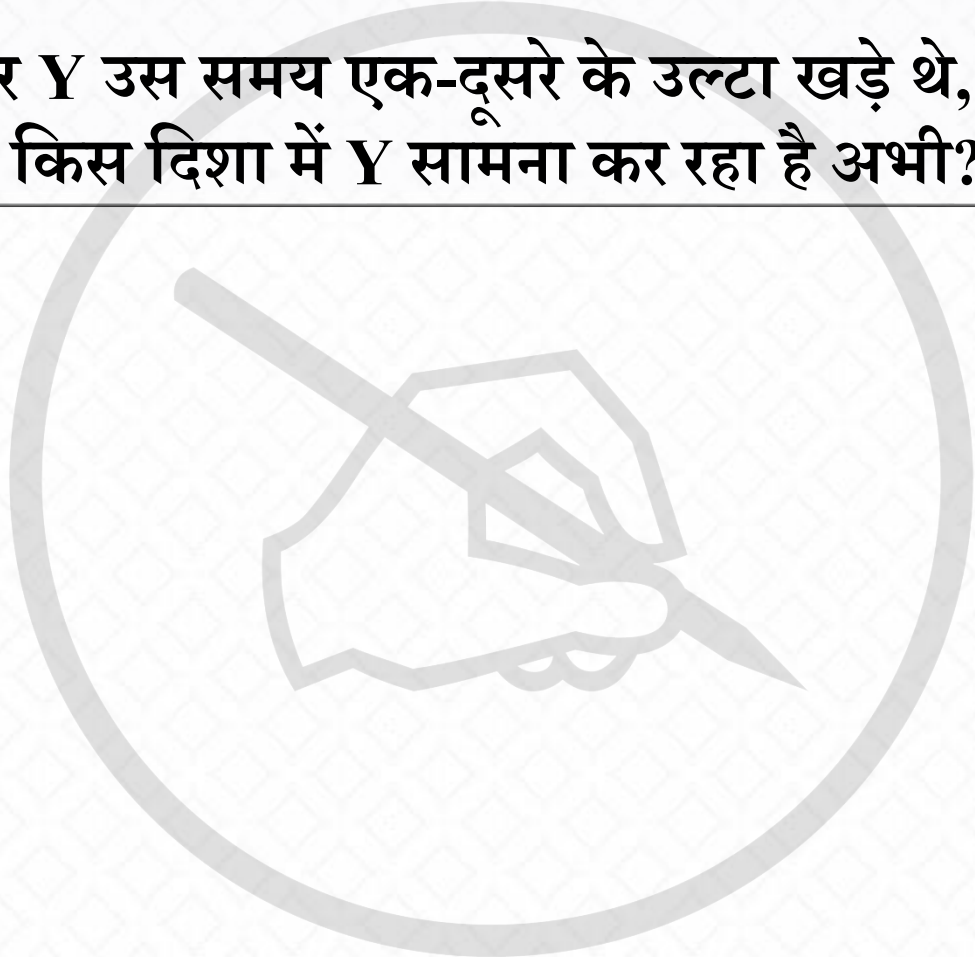
D) West

E) None of these

7

In an evening Z and Y were standing back to each other at that time shadow of Y is towards left of Z then find out in which direction Y is facing now?

एक शाम को Z और Y उस समय एक-दूसरे के उल्टा खड़े थे, Y की छाया Z के बाईं तरफ है, फिर पता लगाएं कि किस दिशा में Y सामना कर रहा है अभी?



A) South

B) North

C) East

D) West

E) None of these

8

In an evening shadow of Q is towards his left he cover 7 km then he turns left and cover 4 km , he again turn right and cover 8 km finally he turns right and cover 12 km now find out how far is he from his starting point and in which direction is he facing now?

एक शाम Q की छाया उसके बायीं ओर जा रही है और वो उस दिशा की ओर 7 किमी कवर करता है फिर बाएं मुड़ता है और 4 किमी कवर करता है, वह फिर से दाएं हो जाता है और अंततः 8 किमी कवर करता है फिर दाएं ओर जाता है और 12 किमी कवर करता है अब पता लगाएं कि वह अपने शुरुआती बिंदु से कितना दूर है और अभी वह किस दिशा में देख रहा है ?

8

In an evening shadow of Q is towards his left he cover 7 km then he turns left and cover 4 km , he again turn right and cover 8 km finally he turns right and cover 12 km now find out how far is he from his starting point and in which direction is he facing now?



- A) 18, South
- B) 17, North
- C) 16, East
- D) 17, West**
- E) None of these

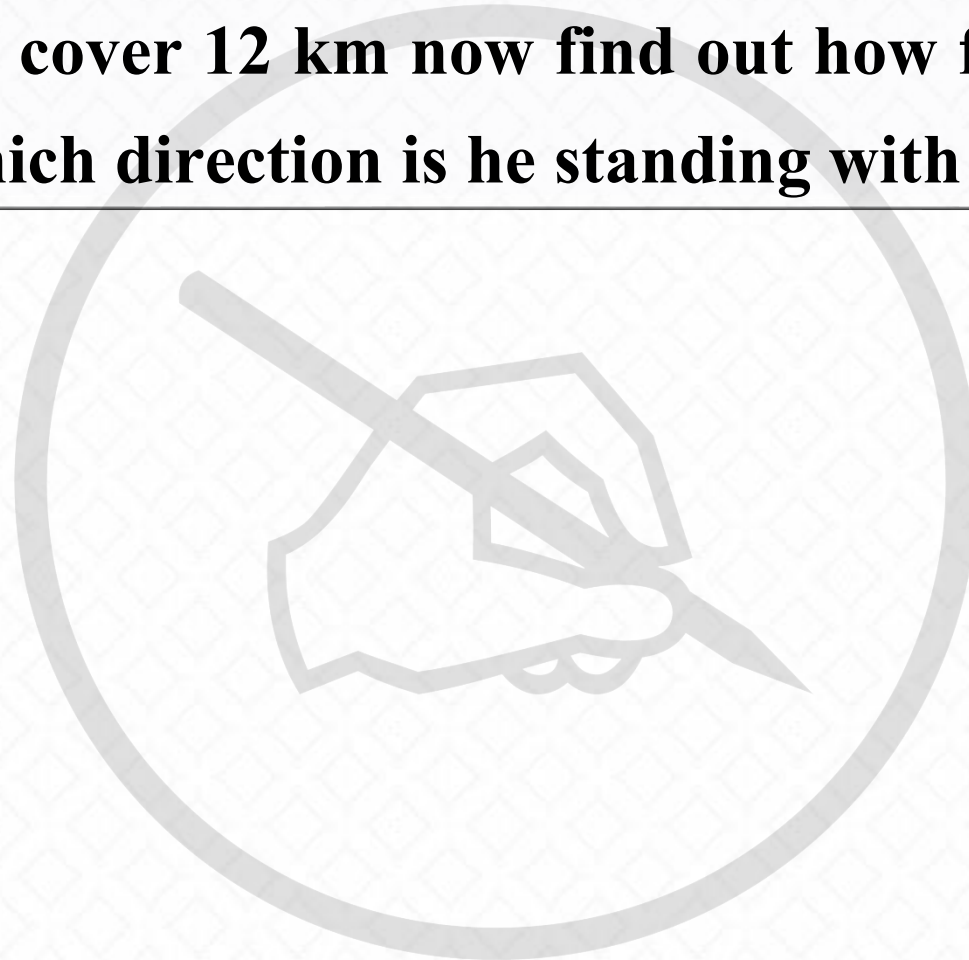
9

In an evening shadow of Q is towards his right he cover 7 km then he turns left and cover 4 km , he again turn right and cover 8 km finally he turns right and cover 12 km now find out how far is he from his starting point and in which direction is he standing with respect to starting point?

एक शाम Q की छाया उसके दाएं ओर जा रही है और वो उस दिशा की ओर 7 किमी कवर करता है फिर बाएं मुड़ता है और 4 किमी कवर करता है, वह फिर से दाएं हो जाता है और अंततः 8 किमी कवर करता है फिर दाएं ओर जाता है और 12 किमी कवर करता है अब पता लगाएं कि वह अपने शुरुआती बिंदु से कितना दूर है और किस दिशा में खड़ा है ?

9

In an evening shadow of Q is towards his right he cover 7 km then he turns left and cover 4 km , he again turn right and cover 8 km finally he turns right and cover 12 km now find out how far is he from his starting point and in which direction is he standing with respect to starting point?



- A) 18, South-West
- B) 17, North-West
- C) 17, North-East**
- D) 17, West
- E) None of these

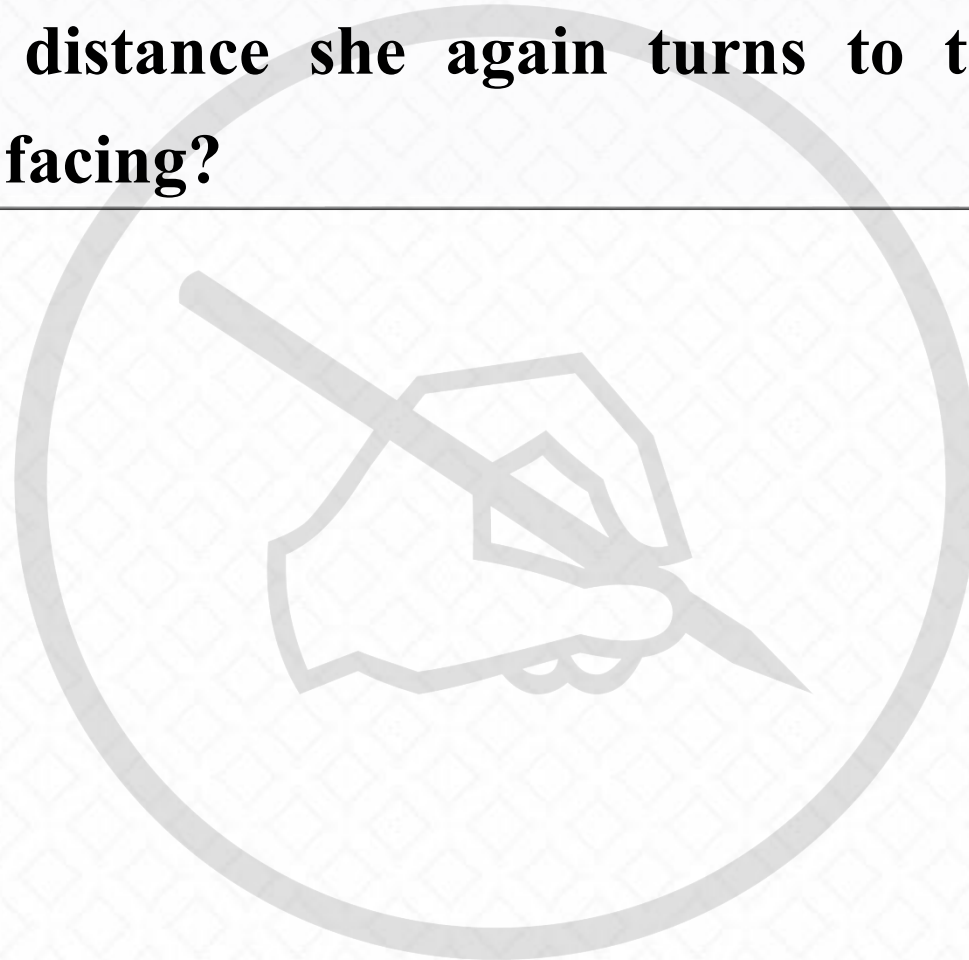
10

One morning saanvi started to walk towards the Sun. After covering some distance she turned to right then again to the right and after covering some distance she again turns to the right. Now in which direction is she facing?

एक सुबह सुजाता सूर्य की तरफ चलने लगी। कुछ दूरी को कवर करने के बाद वह दाहिने ओर फिर से दाहिने ओर मुड़ गई और कुछ दूरी को कवर करने के बाद वह फिर से दाहिनी ओर मुड़ गई। अब वह किस दिशा में देख कर रही है

10

One morning saanvi started to walk towards the Sun. After covering some distance she turned to right then again to the right and after covering some distance she again turns to the right. Now in which direction is she facing?



A) South

B) North

C) East

D) West

E) None of these



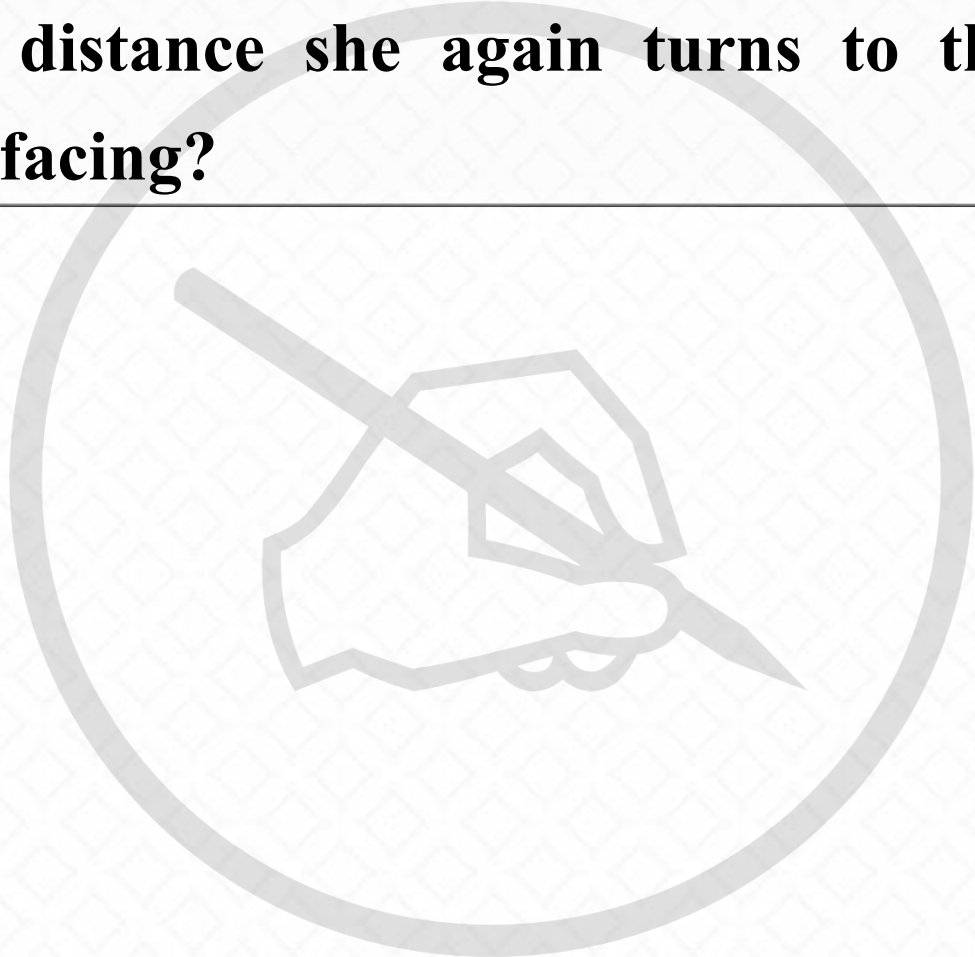
11

One morning saanvi started to walk opposite the Sun. After covering some distance she turned to right then again to the right and after covering some distance she again turns to the right. Now in which direction is she facing?

एक सुबह सुजाता सूर्य की दिशा के विपरीत चलने लगी। कुछ दूरी को कवर करने के बाद वह दाहिने ओर फिर से दाहिने ओर मुड़ गई और कुछ दूरी को कवर करने के बाद वह फिर से दाहिनी ओर मुड़ गई। अब वह किस दिशा में देख कर रही है?

11

One morning saanvi started to walk opposite the Sun. After covering some distance she turned to right then again to the right and after covering some distance she again turns to the right. Now in which direction is she facing?



A) South

B) North

C) East

D) West

E) None of these



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