

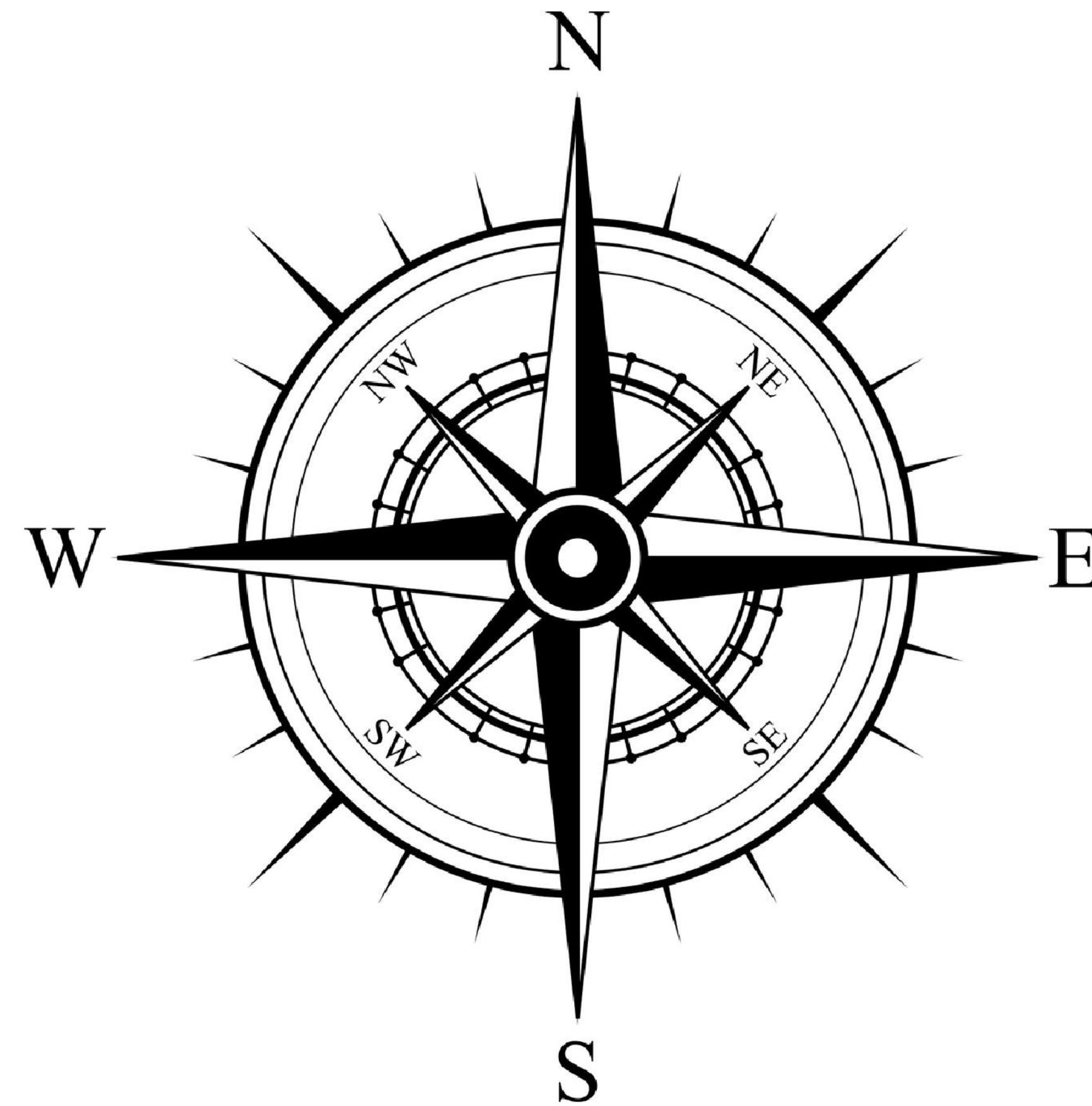
TATA CONSULTANCY SERVICES

REASONING ABILITY

Ahmedabad Technical Faculties TDC Kochi

DIRECTION SENSE

The sense of direction is the ability to follow and find direction according to



EXAMPLE 1

Ria alk o m a Ad Ea and An Aigh alk o m and An Aigh alk
km and again An def alk o km and hen An def alk o km and finally
An def and alk o km No hich di Aec ion Ria facing

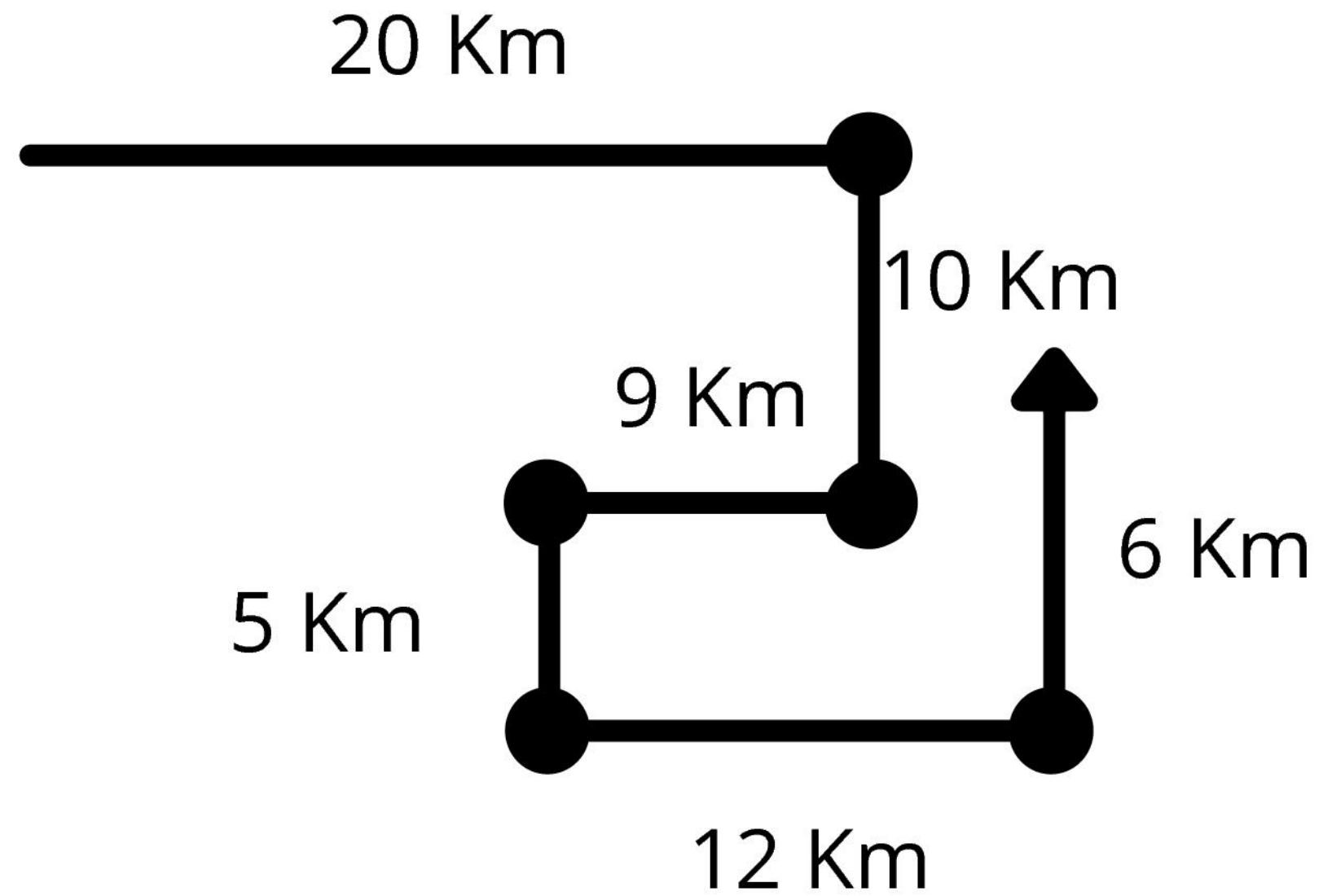
No Ad

We

Ea

So dh

SOLUTION



The answer is North

EXAMPLE 2

Ale~~ing~~ A~~lking~~ alking~~f~~ A~~om~~ poin~~M~~ a~~Ad~~ ea~~d~~ di~~A~~ ec~~ion~~ ~~p~~ Aeach~~N~~ hich~~i~~ ~~m~~ e~~a~~ ~~m~~
M~~He~~ hen~~t~~ake~~o~~ Aigh~~o~~ An~~and~~ alk~~o~~ t~~m~~ Aeach~~p~~oin~~O~~ F A~~om~~ O~~the~~ take~~o~~ def~~o~~
~~o~~ An~~and~~ alk~~o~~ t~~m~~ poin~~P~~ hen~~o~~ gain~~the~~ take~~o~~ def~~o~~ An~~and~~ alk~~o~~ t~~m~~ poin~~Q~~
Q~~F~~ A~~om~~ Q~~the~~ take~~o~~ def~~o~~ An~~and~~ alk~~o~~ t~~m~~ Aeach~~p~~oin~~R~~ He~~hen~~ take~~o~~ Aigh~~o~~
An~~and~~ alk~~o~~ t~~m~~ Aeach~~S~~ and finally take~~o~~ def~~o~~ An~~po~~ Aeach~~p~~oin~~T~~ hich~~i~~ ~~m~~
t~~m~~ a~~o~~f A~~om~~ S~~n~~ hich~~i~~ A~~ec~~ion~~p~~oin~~N~~ i~~h~~ A~~e~~ pres~~p~~oin~~R~~

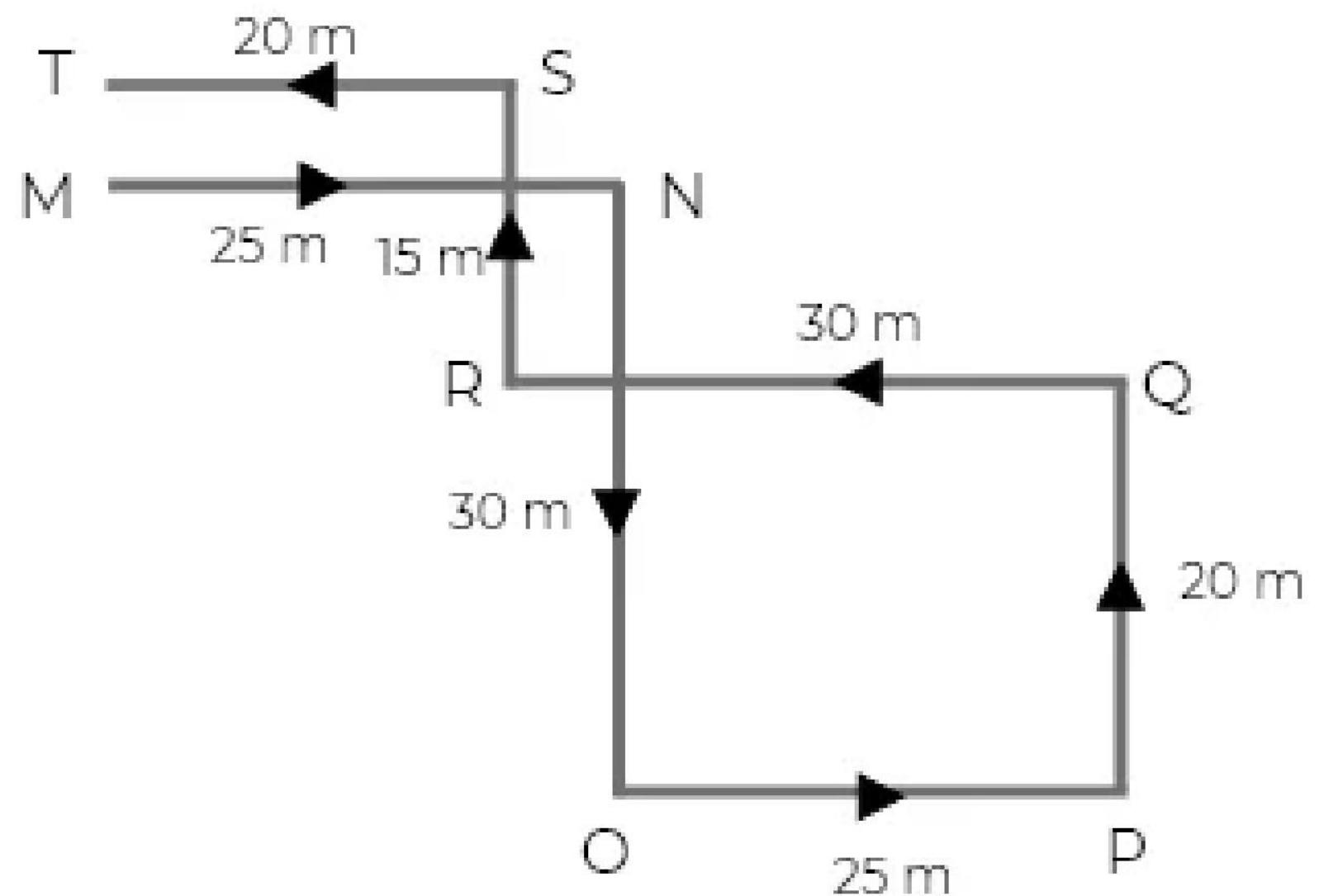
□ □ N o Adh D We □ □

□ □ N o Adh D E a □ □

□ □ S o d D E a □ □

□ □ N o Adh

SOLUTION



The answer is North-East

EXAMPLE 3

□□□□w□□sy10y□□ y□w□r□s□y□□rt□□y□□ □w□□sy6y□□ y□w□r□s□y□□ut□□y□□t□□□□y□□r□□ y□o□r□□y□□
□ □v□s□y3y□□ y□w□r□s□y□□st□□y□□ □w□□ry□□□y□□y□□w□□□y□□r□□t□□□y□□s□y□□w□□t□□y□□r□□□□y□□s□
st□rt□□y□□ □□t□□

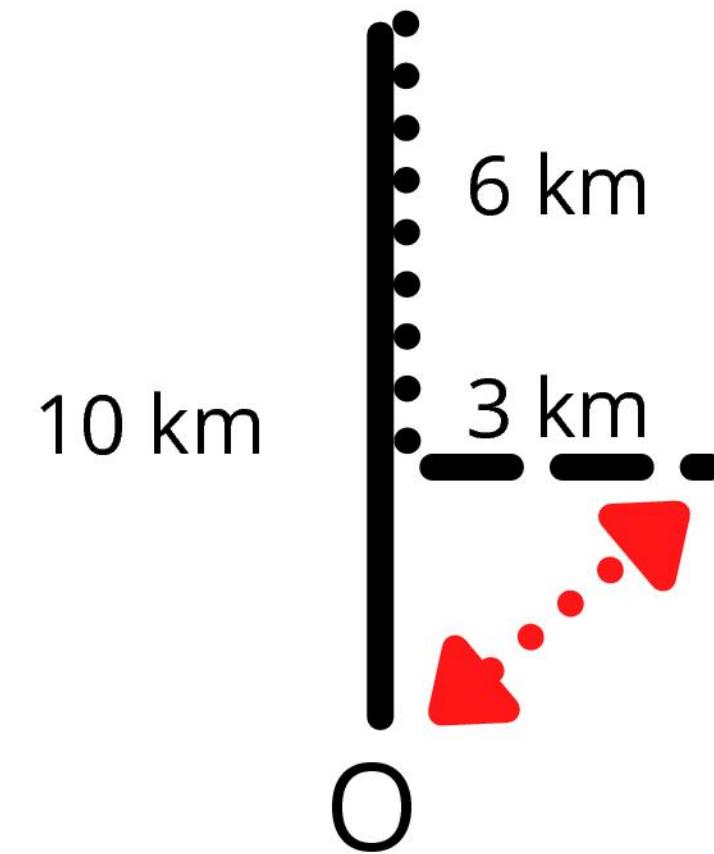
1□5y□□ y□□rt□□□□st

2□5y□□ y□□rt□□□□st

3□3y□□ y□□rt□□□□st

4□7y□□ y□□ut□□□□st

SOLUTION



$$\begin{aligned}\text{Distance} &= \sqrt{4^2 + 3^2} \\ &= \sqrt{25} \\ &= 5\end{aligned}$$

The answer is 5 km North-East

EXAMPLE 4

Do a nele lo o m f Aom hi g o m an d An o o n hi o d f Af e Ao t ha o he An o o n Aigh o
f Aom o he c Aoo ing Af e Aoo ing ce Aoin o Ad o o he An o o def o o n o again An o o def o o f Af e A
mo o ing ome o di o ance Finall o o he An o o n Aigh o o f a o final o o position o o he o o facing No Adh
di Aec o on o hen o hich o di Aec o on o he o o facing o hile o o coming o o o f Aom hi g o m o

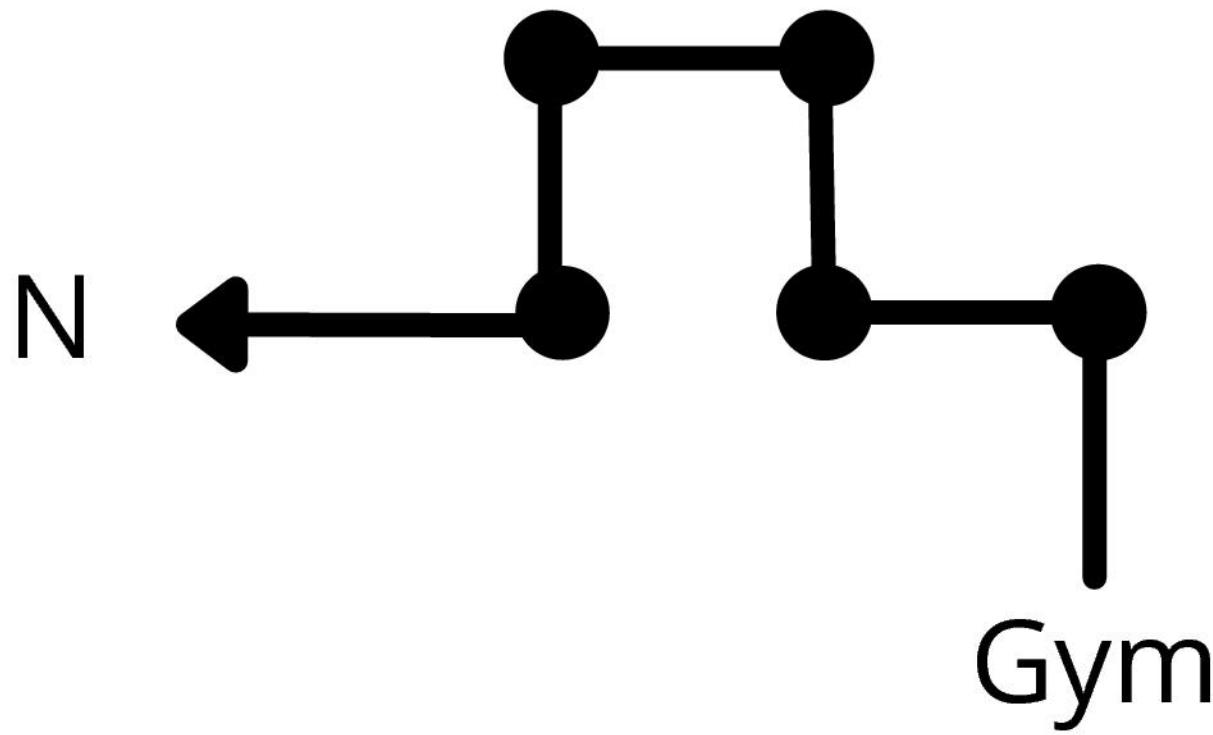
□ □ So □ □ h

□ □ We □ □

□ □ No Adh

□ □ Ea □ □

SOLUTION



The Gym is at West. So she was facing East when she came out from the gym So, the answer is East.

EXAMPLE 5

One morning Bob and Glen were talking each other face to face. Morning of
Glen had a sad expression on his face. Bob which direction was Bob facing?

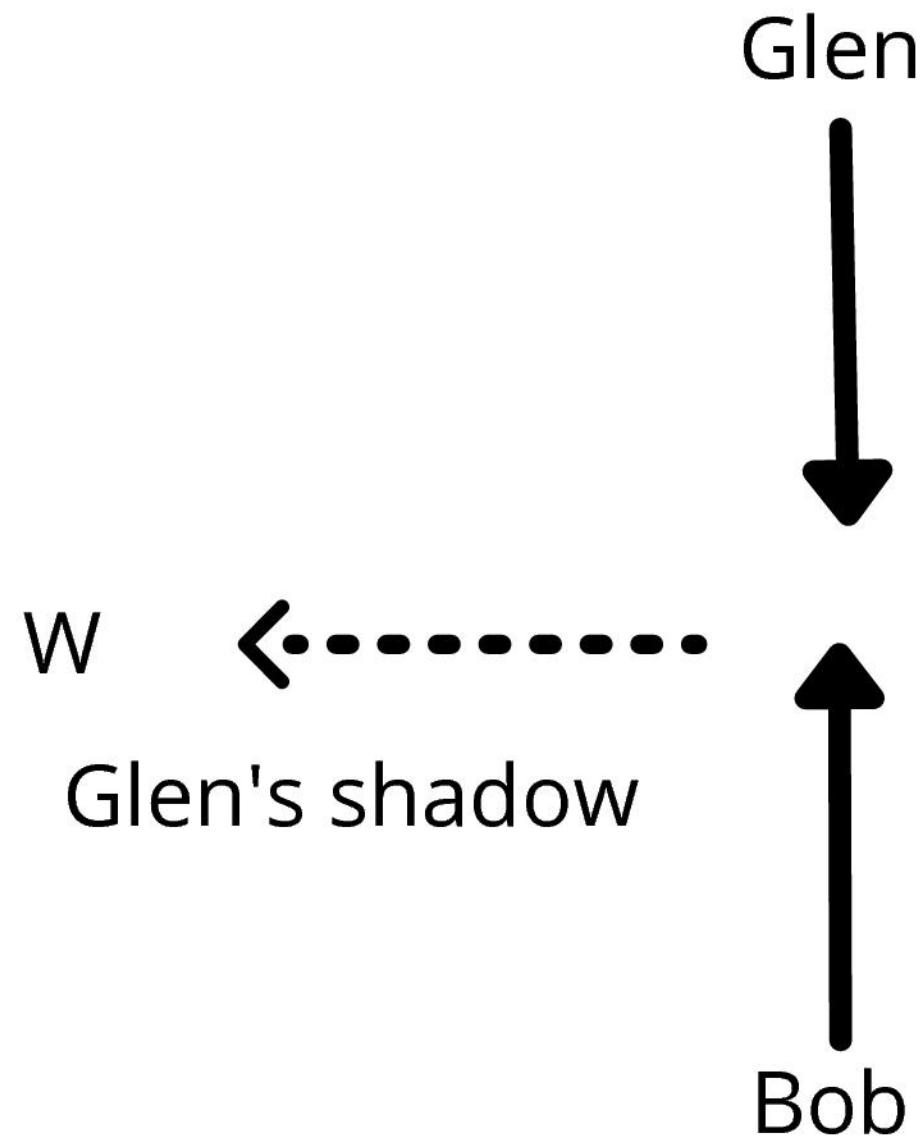
A) East

B) West

C) North

D) South

SOLUTION



In morning, the shadow will be towards West. Bob's left is West. So, Bob is facing North.

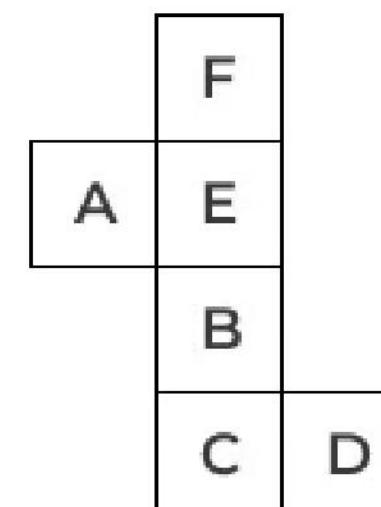
CUBE FOLDING, PAPER CUTS AND FOLDS

The Paper Folding and Cutting notebook is a great addition to your collection. A simple sheet of paper can be folded and then some cuts and folds made to create a

EXAMPLE 1

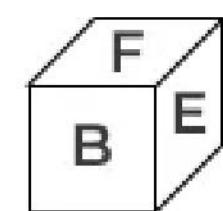
Choose the box that has similar A to the box of Ahmed from the given options of paper A.

PROBLEM FIGURES :

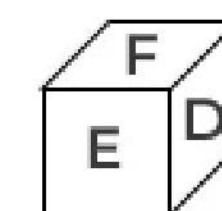


(X)

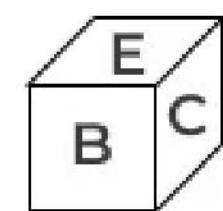
ANSWER FIGURES :



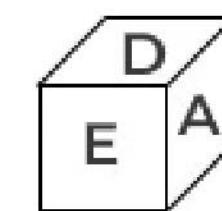
(1)



(2)



(3)



(4)

Options:

1. Only 1
2. Only 2
3. Only 1 and 3
4. 1, 2, 3, and 4

SOLUTION

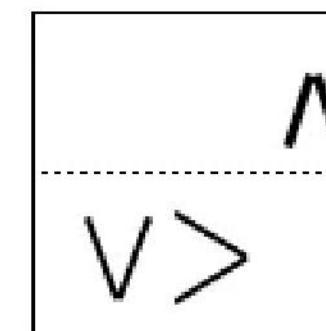
- 'F' appears opposite 'B'
- 'E' appears opposite 'C'
- 'A' appears opposite 'D'

All these conditions are true only for diagram (2).

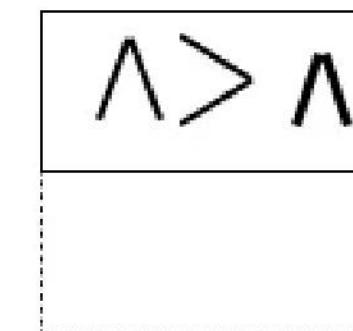
EXAMPLE 2

The figure given in the problem figure appears when the folded cardboard is opened. Choose the configuration which could appear when the folded cardboard is opened.

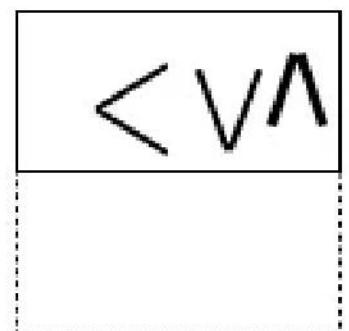
PROBLEM FIGURES :



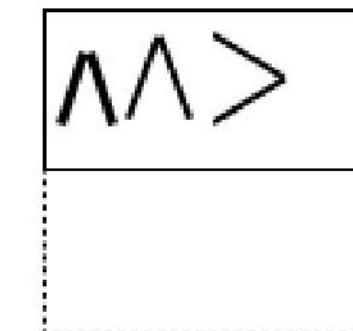
ANSWER FIGURES :



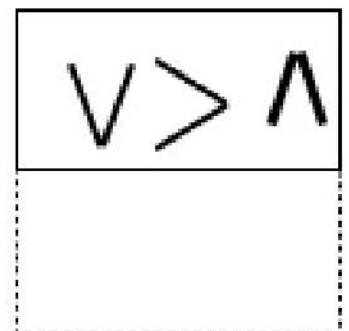
(1)



(2)

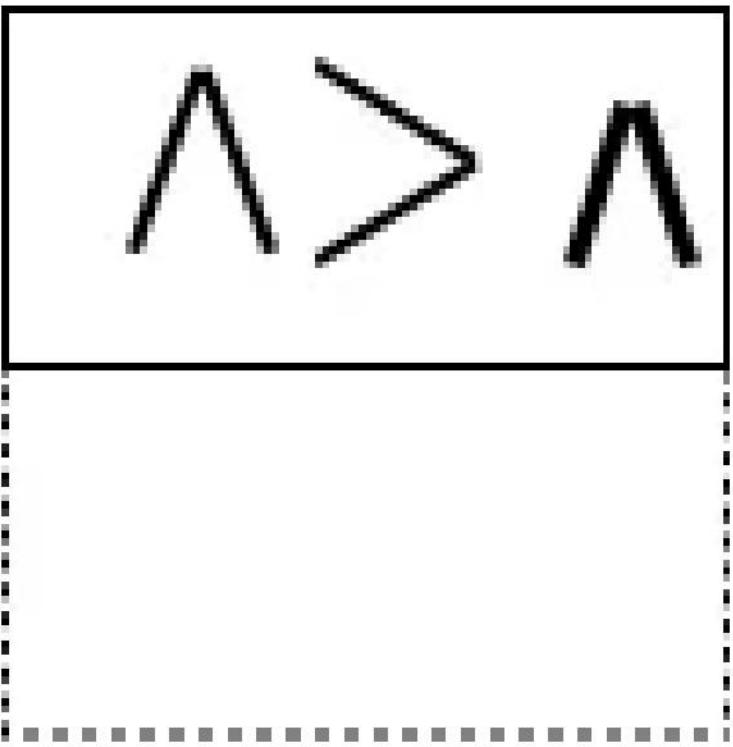


(3)



(4)

SOLUTION



The ~~an~~ ~~e~~Adoption ~~is~~ ~~is~~

EXAMPLE 3

Choose a figure which is old enough to assemble the unfolded form of the given figure A.



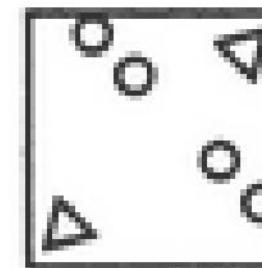
X



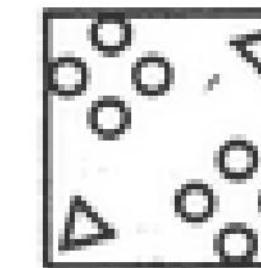
Y



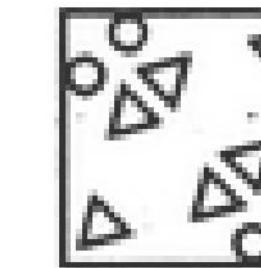
Z



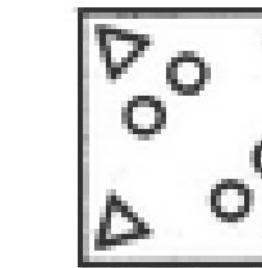
(1)



(2)

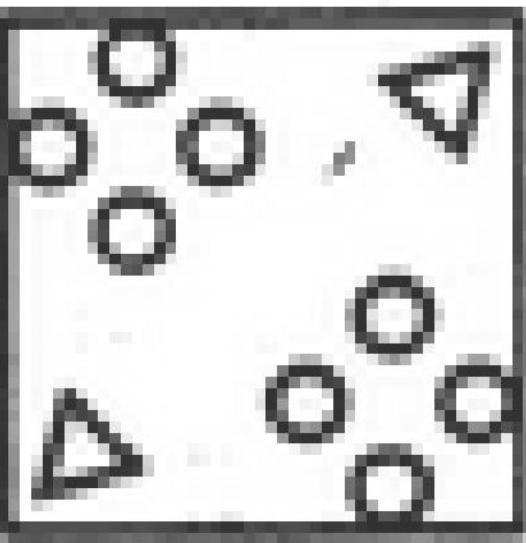


(3)



(4)

SOLUTION

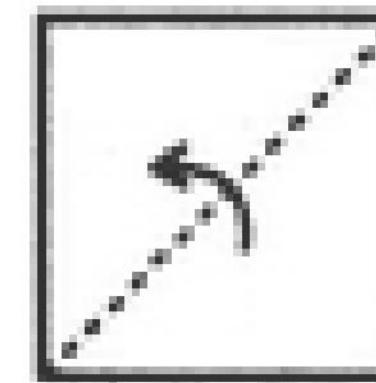


(2)

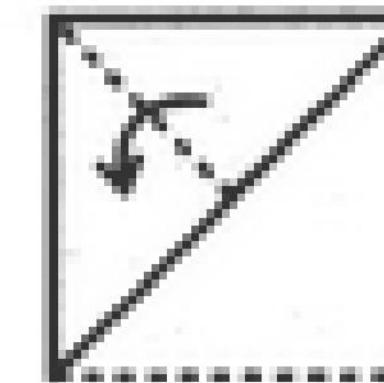
The ~~an~~ ~~e~~ ~~A~~ ~~o~~ ~~p~~ ~~o~~ ~~o~~ ~~n~~ ~~o~~ ~~o~~

EXAMPLE 4

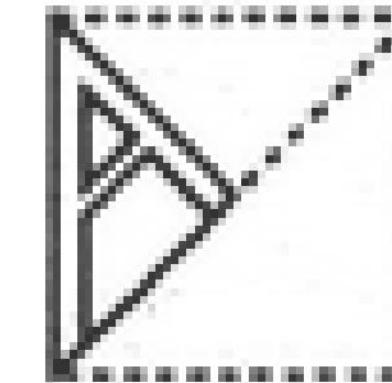
Choose a figure which could close to assemble the unfolded form of the given figure Z.



X



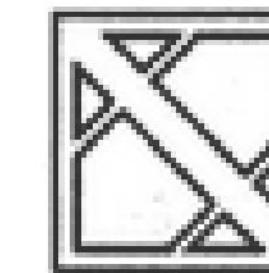
Y



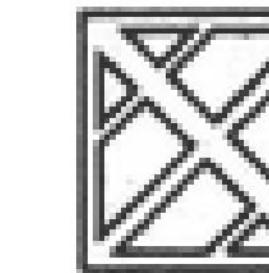
Z



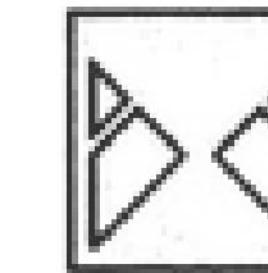
(1)



(2)



(3)



(4)

SOLUTION



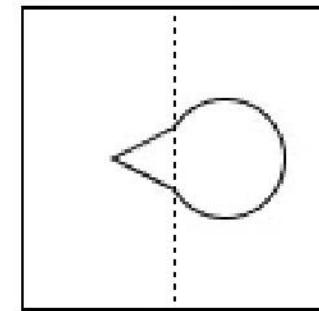
(2)

The ~~an~~ ~~an~~ ~~an~~ ~~an~~ ~~an~~ Option ~~an~~ ~~an~~ ~~an~~ ~~an~~ ~~an~~

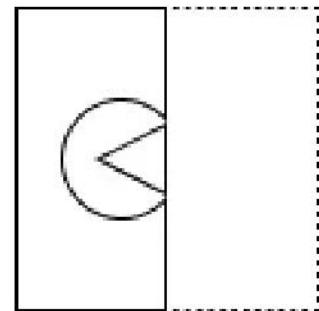
EXAMPLE 5

The figure given in the problem figure is an open square. Choose the correct option which could appear when the same square is folded along the dotted line.

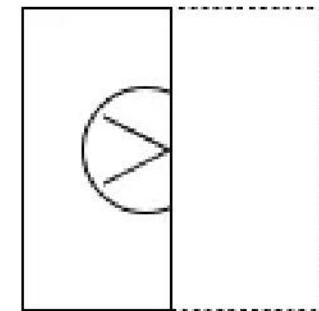
PROBLEM FIGURES :



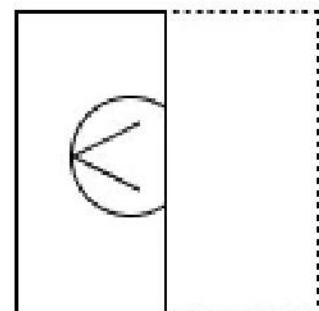
ANSWER FIGURES :



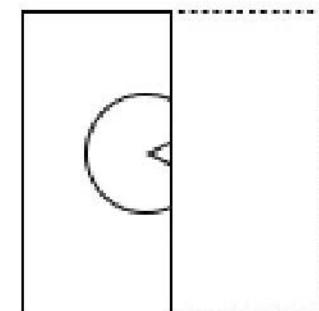
(1)



(2)

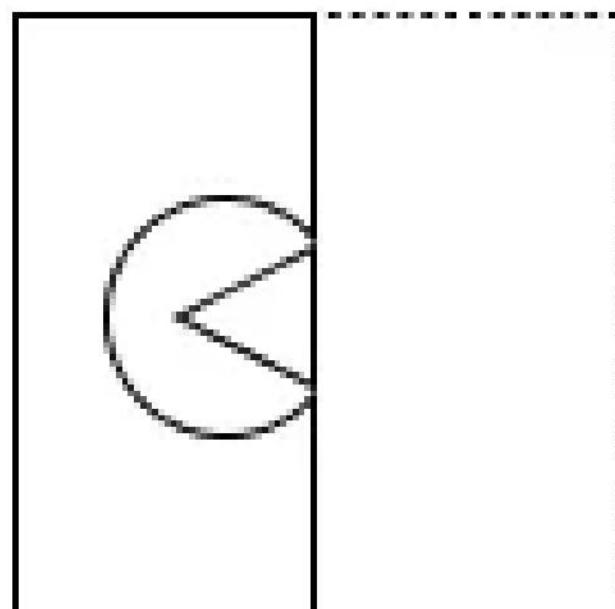


(3)



(4)

SOLUTION



(1)

The ~~an~~ ~~an~~ ~~an~~ ~~an~~ ~~an~~ Option ~~an~~ ~~an~~ ~~an~~ ~~an~~ ~~an~~

RESOURCES

Online video like FaceprepPeople

YouTube

Please practice as much as possible because that is the only way to improve cognitive skills.

THANK YOU

Aohainjo
Technical Facilitator Development Kochi
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