



LOGICAL REASONING

SAMPLE BOOK



LOGICAL REASONING



I'm the
Intelli Kid

and
I'm becoming the
Best Version
of myself with





INDEX

GRADE-8

 Coding Decoding 1	 Direction Sense Test 9	 Mathematical Operations 17	 Verbal Series 25
 Alphabet Test 31	 Ranking & Time Sequence Test 40	 Number Test & Alpha-Numeric Sequence Puzzle 48	 Inserting The Missing Character 55
 Blood Relations 64	 Verbal Analogy 72	 Verbal Classification 77	
 Logical Venn Diagrams 80	 Seating Arrangement 89		



I AM PROGRESSING

(Tick mark the columns after achieving the Learning Milestones)



TOPIC	1 st Learning	Exercise Solving	1 st Revision	2 nd Revision
 Coding Decoding				
 Direction Sense Test				
 Mathematical Operations				
 Verbal Series				
 Alphabet Test				
 Ranking & Time Sequence Test				
 Number Test & Alpha-Numeric Sequence Puzzle				
 Inserting The Missing Character				
 Blood Relations				
 Verbal Analogy				
 Verbal Classification				
 Logical Venn Diagrams				
 Seating Arrangement				

LOGICAL REASONING

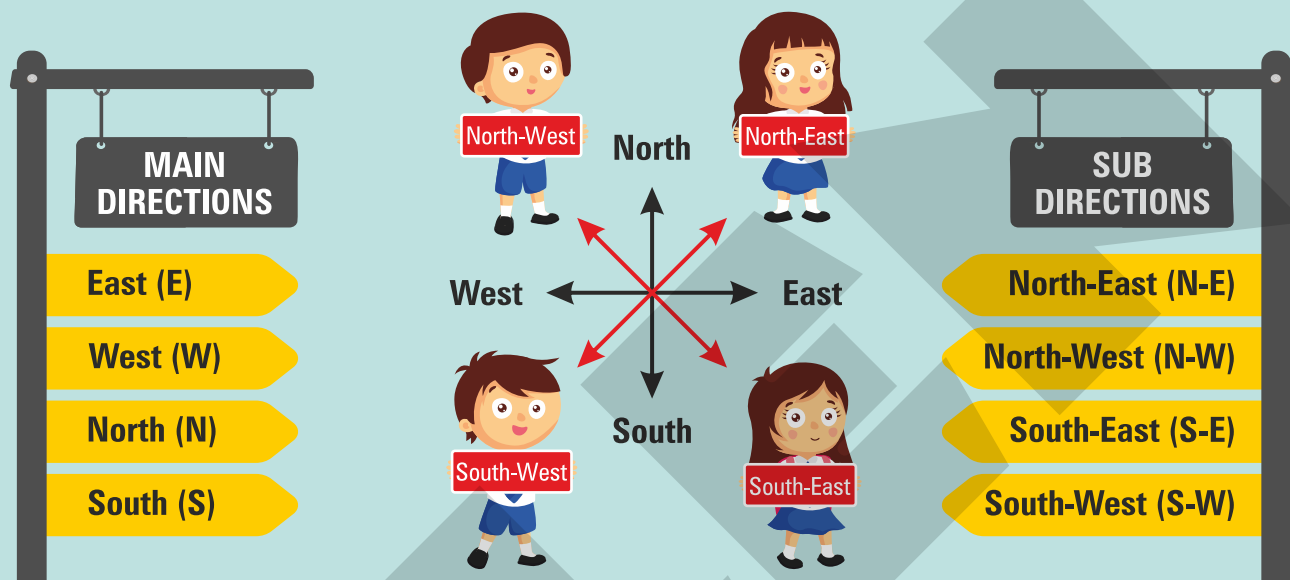
SAMPLE THEORY

CHAPTER 2

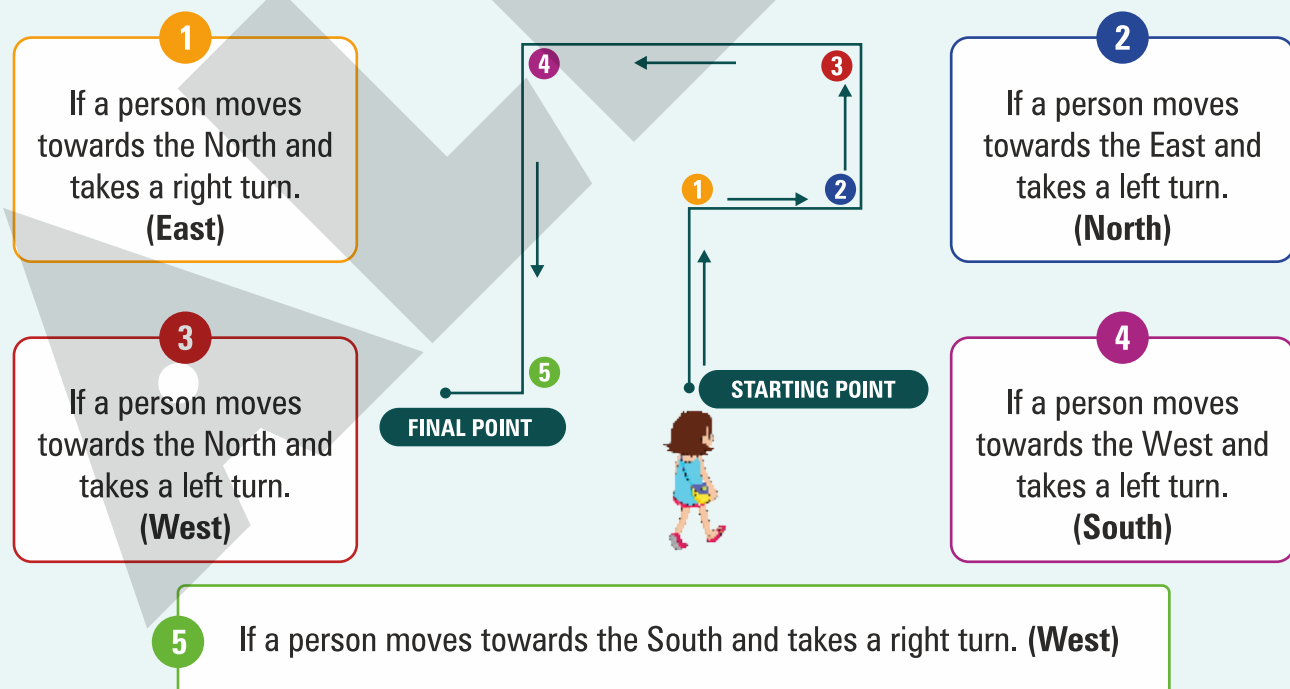
DIRECTION SENSE TEST

The line or course on which something moves, lies or points towards is called a Direction. It helps us to locate where a place is and how to get to that place.

There are mainly two types of directions, as shown below.



CONCEPT OF LEFT AND RIGHT



TERMS RELATED TO DIRECTION

Clockwise Direction

- The direction in which the hands of a clock move is termed as Clockwise direction.



Anti-clockwise Direction

- The direction opposite to the movement of the hands of a clock or clockwise direction is termed as Anti-clockwise direction.



TURNS AND ANGLES

A Quarter Turn = 1 Right Angle

$\frac{1}{4}$ of a Complete Turn = 90°

A Half Turn = 2 Right Angles

$\frac{1}{2}$ of a Complete Turn = 180°

A Three-Quarter Turn = 3 Right Angles

$\frac{3}{4}$ of a Complete Turn = 270°

A Complete Turn = 4 Right Angles

1 Complete Turn = 360°



$\frac{1}{8}$ of a Complete Turn = 45°

$\frac{3}{8}$ of a Complete Turn = 135°

LOGICAL REASONING

SAMPLE EXERCISE



EXERCISE

GRADE-8 Direction Sense Test



1. **Himanshi wants to go to the Water Park. She starts walking towards the crossing from her home in the East direction. The road to the right ends at a Mall and straight ahead is a Library. The road to the left leads to the Water Park. In which direction is the Water Park from the crossing ?**
(1) East (2) South (3) North (4) West
2. **Chetan started walking in the South direction. He walked a distance of 13 m and then took a left turn and walked 17 m. He again took a left turn and walked a distance of 13 m. Now, to which direction is Chetan's right hand pointing ?**
(1) East (2) North (3) West (4) South
3. **A, B, C and D were playing Ludo. A and D were partners. B was to the immediate right of D and facing towards the North direction. In which direction was C facing ?**
(1) South (2) West (3) North (4) East
4. **M is to the West of O, which is in the South of N. If P is in the South of O, then in which direction of M is P located ?**
(1) North-East (2) South (3) South-East (4) South-West
5. **Jyoti is 40 m North-West of Tanishq, who is 40 m South-West of Mehul and in line with Jyoti. Find in which direction from Mehul is Jyoti.**
(1) South-East (2) South (3) West (4) North-East
6. **Riya's house is to the North of the Office, while the Office is to the West of the Community Hall. The Cinema Hall is to the South of the Community Hall. Riya's house is in which direction from the Cinema Hall ?**
(1) South (2) South-East (3) North (4) North-West
7. **A train leaves a station moving ahead in the North direction. After covering a distance of 21 km, it took a left turn and covered a distance of 13 km. Then it turns left and goes 10 km. At last, taking a right turn, it goes 12 km. Now in which direction is the train going ?**
(1) East (2) South (3) West (4) North
8. **One morning after Sunrise, Kiara and Alia talked, facing each other. If Alia's Shadow was falling to her right, then Kiara must be facing the _____ direction.**
(1) South (2) West (3) East (4) North

9. One morning before Sunrise, Parthok was standing near a pole facing it. If the pole's shadow was falling towards Parthok's left hand side, then what direction is Parthok facing?
 - (1) East
 - (2) North
 - (3) South
 - (4) West
10. One morning after Sunrise, Yashik stood facing the North direction near a pole. If the shadow of the pole was falling on Yashik, then the pole must be located _____.
 - (1) in front of Yashik
 - (2) to the right of Yashik
 - (3) behind Yashik
 - (4) to the left of Yashik
11. One morning before Sunrise, Shreya and Madhavi were talking, facing each other. If Shreya was facing the East direction, then Madhavi's Shadow was falling _____.
 - (1) in front of Madhavi
 - (2) to the right of Shreya
 - (3) in between Shreya & Madhavi
 - (4) behind Madhavi
12. One morning after Sunrise, Vinay stood near a pole whose shadow fell on Vinay's back. To which direction was Vinay's right hand pointing?
 - (1) North
 - (2) East
 - (3) West
 - (4) South
13. In a clock at 2:00 PM, the minute hand points in the North-East direction, then at 6:30 PM, in which direction will the hour hand of the clock point?
 - (1) South-East
 - (2) South
 - (3) East
 - (4) South-West
14. In a clock at 8:15 PM, the minute hand points in the South-West direction, then at 5:30 PM, in which direction will the minute hand of the clock point?
 - (1) East
 - (2) South-East
 - (3) North-West
 - (4) North
15. It is 1:30 AM on a watch. If the hour hand points in the South direction, then the watch's minute hand is pointing in the _____ direction.
 - (1) North-West
 - (2) South-West
 - (3) North-East
 - (4) South-East
16. A watch reads 10:30 AM. If the minute hand points in the East direction, then the watch's hour hand is pointing in the _____ direction.
 - (1) South
 - (2) North-West
 - (3) South-West
 - (4) West
17. At 9:00 P'Clock, if the hour hand points in the North-East direction, then the clock's minute hand points in which direction?
 - (1) East
 - (2) South-East
 - (3) West
 - (4) North-West