



# LOGICAL REASONING

SAMPLE BOOK

**4**  
GRADE

# LOGICAL REASONING



I'm the  
**Intelli Kid**  
and  
I'm becoming the  
**Best Version**  
of myself with

**ALLEN**  
**Intelli Brain**<sup>®</sup>  
Experiential Experimental Edutaining





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# I AM PROGRESSING

(Tick mark the columns after achieving the Learning Milestones)



TOPIC	1 <sup>st</sup> Learning	Exercise Solving	1 <sup>st</sup> Revision	2 <sup>nd</sup> Revision
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# LOGICAL REASONING

SAMPLE THEORY

## CHAPTER 2

# RANKING TEST



Brazil



Russia



India



China



South Africa



France

### Arrangement (A)

In order to determine the rank of a person or an object in an arrangement, we count the given persons or objects position from any one of the ends.

### TYPES OF RANKING CONDITIONS

There are various types of Ranking Conditions. Here, we are going to learn about six of them as given below.

#### Type 1: Identification of the Rank from the Left or Right End

**Example:** Identify the rank of the Indian flag from the left end in the arrangement (A).

**Position of the Indian flag from the Left end: We can count from the Left end = 3**



**Total number of persons = [Position from left end + Position from right end] - 1**

Position of a person from Right end =  
[Total number of persons – Position from left end] + 1

Position of a person from Left end =  
[Total number of persons – Position from right end] + 1

## Type 2: Identification of the Rank from the Top or Bottom

Example: If we arrange the flags of arrangement (A) from Top to Bottom, then the position of the flag of China from the Top will be \_\_\_\_\_.



Position of the flag of China from the Top. We can count from the Top = 4

## Type 3: Identification of the Rank after Removing Persons/Objects

Example: If we remove the flag of China from the arrangement (A), then the position of the Indian flag from the right and will be \_\_\_\_\_.



Position of the Indian flag from the Right end. We can count from the Right end = 3

# LOGICAL REASONING

SAMPLE EXERCISE





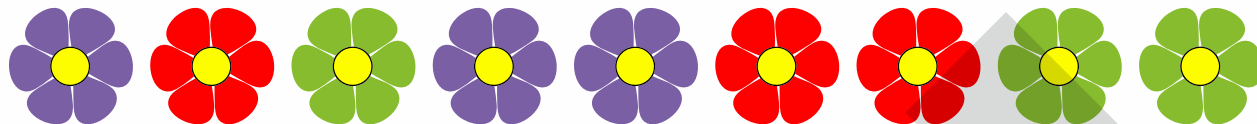
# EXERCISE

## GRADE-4 Ranking Test



**Directions:** Solve the following multiple choice questions by choosing the most appropriate option.

1. The number of red flowers to the right of the middle flower is/are \_\_\_\_.



(1) 1

(2) 4

(3) 3

(4) 2

2. Some men are standing in a row. Mr. Rahul is third from the right and fourth from the left end. How many men are there in the row ?

(1) 7

(2) 6

(3) 8

(4) 5

**Directions (Q.3 to Q.7):** Observe the given arrangement of dolls carefully and answer the following questions based on it.



3. Doll \_\_\_\_\_ is 6<sup>th</sup> in the row from right end.

(1) D

(2) C

(3) G

(4) H

4. Doll \_\_\_\_\_ is third from the left end.

(1) F

(2) B

(3) G

(4) C

5. Doll \_\_\_\_\_ is in the middle of the arrangement.

(1) D

(2) C

(3) E

(4) F

6. If one more doll is added to the left of doll A, then how many dolls are to the left of Doll F ?

(1) 6

(2) 5

(3) 7

(4) 4

7. If dolls A and B are removed, then which doll is 2<sup>nd</sup> from the right end ?

(1) D

(2) H

(3) E

(4) G

8. Observe the given alphabetical series carefully and answer the questions.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

If all the vowels are removed from the above alphabetical series, then \_\_\_\_\_ comes just before R

(1) N

(2) G

(3) M

(4) R

9. Rasheed arranged her photo frames in a straight row. The portrait one is in the middle. It is placed third from the right and left side. How many photo frames does Rasheed have altogether?

(1) 4

(2) 5

(3) 6

(4) 7

10. The list given below shows the amount of time Rame spent practicing in the school for Dance Competition day-wise. How should Rame arrange the days in decreasing order of practice time?

(1) Tuesday < Wednesday < Thursday < Monday

(2) Thursday > Monday > Wednesday > Tuesday

(3) Tuesday > Wednesday > Thursday > Monday

(4) Monday > Tuesday > Wednesday > Thursday

Days of Day	Practice time
Monday	30 minutes
Tuesday	2 hours
Wednesday	1.5 hours
Thursday	45 minutes

11. A flight of stairs has 25 steps which leads us from the ground floor to the first floor. Basita is sitting at the 10<sup>th</sup> step from the top. What is her position from the bottom?

(1) 17<sup>th</sup>

(2) 16<sup>th</sup>

(3) 15<sup>th</sup>

(4) 21<sup>st</sup>

12. A group photograph shows some females standing in a row. Mrs. Mary is 7<sup>th</sup> from the left and 5<sup>th</sup> from the right end. How many females are there in this group photograph?

(1) 5

(2) 7

(3) 9

(4) 8

13. 21 different books are kept in a shelf. If the Mathematics book is 3<sup>rd</sup> from the right and the Science book is 7<sup>th</sup> from the left end, then how many books are between them?

(1) 12

(2) 11

(3) 12

(4) 15

Directions (8, 14 to 8, 16): Answer the questions based on the given arrangement of balls.



14. How many balls are to the right of the second ball from the left end?

(1) 8

(2) 9

(3) 8

(4) 7

15. If the first three balls from the left end are removed, then which ball is fourth from the left end?

(1) 8

(2) 9

(3) 8

(4) 7