CREST Olympiads

REASONING WORKBOOK

1

For the preparation of National & International Olympiads

- Chapter-wise practice exercises
- Previous year paper

CREST Reasoning Olympiad (CRO)

Reasoning Olympiad

Exams Preparation Book

CRO | UCTO | iRAO

Grade 1

CREST
Olympiads

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CREST Reasoning Olympiad Workbook for Grade 1

Fourth Edition

Disclaimer: The information in the Workbook is to give you the path to success but it does not guarantee 100% success as the strategy is completely dependent on its execution. And it is based on previous year papers of CRO exam.

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Preface

We are pleased to launch a thoroughly revised edition of this workbook. We welcome feedback from students, teachers, educators and parents. For improvements in the next edition, please send your suggestions at info@crestolympiads.com. Our team will make an effort to work on those suggestions. The status of the improvements can be checked at https://www.crestolympiads.com/corrections-class1-354

CREST Olympiads is one of the largest Olympiad Exams with students from more than 60 countries. The objective of these exams is to build a competitive spirit while evaluating students on conceptual understanding of the concepts.

We strive to provide a superior learning experience, and this workbook is designed to complement the school studies and prepare the students for various competitive exams including the CREST Olympiads. This workbook provides a crisp summary of the topics followed by the practice questions. These questions encourage the students to think analytically, to be creative and to come up with solutions of their own. There is a previous year's paper given at the end of this workbook for the students to attempt after completing the syllabus. This paper should be attempted in 1 hour to get an assessment of the student's preparation for the final exam.

Publishers

In the dictionary, analogy means a comparison between two things that shows a way in which they are similar.

Sometimes the things being compared are quite similar, but in some cases, they could be very different. Nevertheless, an analogy explains one thing in terms of another to highlight how they are alike.

In logical reasoning as well, students have to do the same thing. One example will be given to the students and they will have to identify the logic or the relationship between the two given entities. Following that they can apply the same relationship or logic to the given question. It will be better understood with the help of few examples.

Example 1:

 : Night :: : ?

a. Summer
c. Morning

b. Sun
d. Winter

Solution 1: c

Try to figure out what is similar between Night and the Moon in the image, Moon is seen in Night.

This logic can be applied to the real question which asks us to relate the sun in the image with any of the given options.

Hence, Morning will be the correct answer.

Let's have a look at one more example:

Example 2: B : 2 :: E : ?

a. 3
c. 2

b. 5
d. 7

Solution 2: b

We will first try to relate B with 2.

We know that the place value of B is 2. (Kindly refer to the table for reference)

A	B	C	D	E	F	G	H	I	J
1	2	3	4	5	6	7	8	9	10

K	L	M	N	O	P	Q	R	S	T
11	12	13	14	15	16	17	18	19	20

U	V	W	X	Y	Z
21	22	23	24	25	26

Therefore, we will search for the place value of E.

Hence, the answer is 5.

Now, we will go through a number related analogy question:

Example 3: 12 : 10 :: 16 : ?

a. 14
c. 17

b. 15
d. 20

Solution 3: a

In this question, try to establish a relation between 12 and 10. How much should be reduced from 12 to obtain 10?

The answer is 2.

So, try to apply the same logic in the other part of the question.

Reduce 2 from 16 and you will get your correct answer.

Therefore, 16 - 2 = 14.

Hence, 14 is the answer.

Practice Questions

1. 15 : 10 :: 29 : ?

a. 24
c. 28

b. 25
d. 27

2. D : 4 :: I : ?

a. 8
c. 7

b. 9
d. 6

3. Horse : Stable :: Dog : ?

    a. Den   b. Cave
    c. Kennel   d. Tree

4. : Water :: : ?

    a. Track   b. Highway
    c. Tunnel   d. Air

5. Tall : Short :: Hot : ?

    a. Cold   b. Temperature
    c. Black   d. Heat

6. 5 : 50 :: 6 : ?

    a. 66   b. 60
    c. 70   d. 77

7. Ant : Insect :: Pigeon : ?

    a. Reptile   b. Monkey
    c. Bird   d. Fish

8. Friend : Enemy :: Dark : ?

    a. Rain   b. Cloud
    c. Black   d. Bright

9. Pen : Write :: Spoon : ?

    a. Eat   b. Draw
    c. Measure   d. Smell

10. Remember : Forgot :: Big : ?

    a. Huge   b. Small
    c. Long   d. Large

11. W : 23 :: T : ?

    a. 21   b. 19
    c. 20   d. 22

12. : 3 :: : ?

    a. 2   b. 1
    c. 6   d. 4

13. 4 : 8 :: 6 : ?

    a. 12   b. 7
    c. 15   d. 5

14. Shark : Fish :: Cockroach : ?

    a. Tree   b. Insect
    c. Bird   d. Bacteria

15. : India :: : ?

    a. Pakistan   b. Nepal
    c. United States of America   d. Japan

16. C : E :: G : ?

    a. H   b. J
    c. K   d. I

17. 12 : 17 :: 15 : ?

    a. 20   b. 28
    c. 30   d. 18

18. : Cricket :: : ?

    a. Ludo   b. Chess
    c. Uno   d. Hockey

19. Potter : Pot :: Carpenter : ?

    a. Tree   b. Food
    c. Furniture   d. Shoes

20. 18 : 9 :: 16 : ?

    a. 6   b. 20
    c. 4   d. 8