

# REASONING WORKBOOK

# 2

For the preparation of National  
& International Olympiads



- Chapter-wise practice exercises
- Previous year paper

# Reasoning Olympiad

## Exams Preparation Book

CRO | UCTO | iRAO

**Grade 2**



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## CREST Reasoning Olympiad Workbook for Grade 2

Fourth Edition

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**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](mailto: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-class2-864>

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 and students 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:** Complete the analogy:



: School ::



: ?

- a. Office
- b. Hospital
- c. Engineer
- d. Nurse

**Solution 1:** b

First, try to understand what is depicted in the picture. A teacher is teaching in the image.

Now try to figure out the logic behind teacher and school.

The logic is - teacher teaches in school.

Similarly, the second picture is that of a doctor.

So, we will try to apply the same logic here and try to think about where does a doctor work.

We know that a doctor works in a hospital.

Hence, option (b) will be the correct answer.

**Example 2:** Complete the analogy:

T : 20 :: X : ?

- a. 22
- b. 23
- c. 24
- d. 25

## Analogy

### Solution 2: c

We will first try to relate T with 20.

We know that the place value of T is 20. (Kindly refer to the table for reference)

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>I</b>	<b>J</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
<b>K</b>	<b>L</b>	<b>M</b>	<b>N</b>	<b>O</b>	<b>P</b>	<b>Q</b>	<b>R</b>	<b>S</b>	<b>T</b>
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
<b>U</b>	<b>V</b>	<b>W</b>	<b>X</b>	<b>Y</b>	<b>Z</b>				
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>				

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

Hence, the answer is 24.

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

**Example 3:** Complete the analogy:

$$6 : 36 :: 7 : ?$$

- |       |       |
|-------|-------|
| a. 49 | b. 47 |
| c. 58 | d. 64 |

### Solution 3: a

In this question, try to establish a relation between 6 and 36. Since the difference is a larger number, we will try multiplication with 6.

We know that  $6 \times 6 = 36$

We can also say that 6 when multiplied with itself gives 36.

$$6^2 = 36$$

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

Multiply 7 with itself and you will get your correct answer.

Therefore,  $7 \times 7 = 49$ .

Hence, 49 is the answer.

## Practice Questions

1. 15 : 5 :: 29 : ?

- a. 14
- b. 15
- c. 18
- d. 19

2. R : 18 :: P : ?

- a. 8
- b. 16
- c. 17
- d. 6

3. Tuna : Fish :: Parrot : ?

- a. Bird
- b. Tiger
- c. Insect
- d. Mammal

4.  : Pilot ::  : ?

- a. Engineer
- b. Doctor
- c. Chef
- d. Airhostess

5. Top : Bottom :: More : ?

- a. Less
- b. Great
- c. Tall
- d. Many

6. 5 : 11 :: 7 : ?

- a. 13
- b. 16
- c. 17
- d. 20

7. Snake : Reptile :: Eagle : ?

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

8. Absent : Present :: Accept : ?

- a. Agree
- b. Decline
- c. Allow
- d. Done

9. Kitten : Cat :: Puppy : ?

- a. Parrot
- b. Dog
- c. Crocodile
- d. Fish



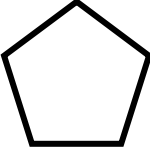
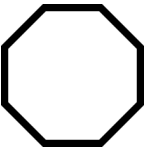
## Analogy

10. Happy : Sad :: Early : ?

- a. Clock
- b. Before
- c. Long
- d. Late

11. G : 7 :: U : ?

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

12.  : 5 ::  : ?

- a. 2
- b. 10
- c. 6
- d. 8

13. 4 : 16 :: 5 : ?

- a. 25
- b. 14
- c. 28
- d. 9

14. Thames : River :: Himalayas : ?

- a. Tree
- b. Insect
- c. Bird
- d. Mountain

15. 8 : 24 :: 9 : ?

- a. 18
- b. 27
- c. 29
- d.

16. Feather : Bird :: Fur : ?

- a. Dog
- b. Snail
- c. Ant
- d. Snake

17. 22 : 27 :: 15 : ?



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

18.  : Write ::  : ?

- a. Draw
- b. Cut
- c. Cook
- d. Hear

19. Dark : Light :: Dangerous : ?

- a. Horror
- b. Sleep
- c. Safe
- d. Run

20.  : Cook ::  : ?

- a. Sleep
- b. Bath
- c. Bed
- d. Sing

## CREST International Spell Bee (Summer & Winter)

For Grades 1-8



### Exam Highlights

- Online proctored Spell Bee exam
- Focus on evaluating spellings, meanings and pronunciation.
- Exam Pattern: MCQ type questions + Audio Round (Students need to hear the question & write the spelling of the word asked)
- Get to attempt 2 Free Practice Tests



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