



CREST Reasoning Olympiad (CRO)

Sample Paper

Pattern and Marking Scheme

Grade	Topic/Section	No. of Questions	Marks per Question	Total Marks
Grade 4	Logical Reasoning	25	1	25
	Achiever's Section	10	2	20
Grand Total		35		45

The total duration of the exam is 60 minutes.

Syllabus

Section 1: Patterns, Analogy and Classification, Geometrical Shapes and Solids, Embedded Figures, Mirror Images and Water Images, Direction Sense Test, Possible Combinations, Ranking Test, Alphabet Test and Logical Sequence of Words, Puzzle Test, Coding - Decoding.

Achievers Section: Higher Order Thinking Questions - Syllabus as per Section 1

For more details, visit <https://www.crestolympiads.com/reasoning-olympiad-cro>

Logical Reasoning (Each Question is 1 Mark)

1. FH is related to DF as UY is related to:

- | | |
|-------|-------|
| a. SW | b. TX |
| c. RX | d. TW |

2. In Kartik's birthday party, children wore the birthday caps which are shown below. Find the one which looks different from other.



3. Choose the letter which is different in the group.

- | | |
|------|------|
| a. T | b. D |
| c. R | d. P |

4. Which letters will the last umbrella have?



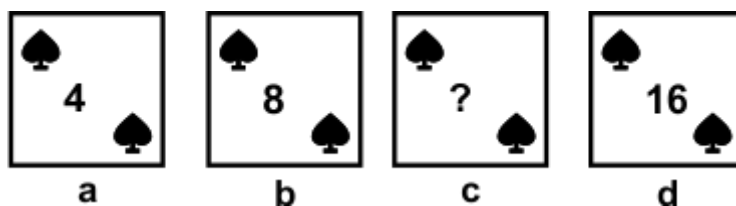
- | | |
|-------|-------|
| a. DE | b. DW |
| c. XD | d. WD |

5. Which letters will continue the pattern?

PQ QS RU SW ___?___

- | | |
|-------|-------|
| a. XY | b. YZ |
| c. WX | d. TY |

6. Find the missing card number.



- | | |
|-------|-------|
| a. 10 | b. 11 |
| c. 12 | d. 14 |

7. If III means IV, IV means V, V means VI and VI means VII, then which comes immediately after IV in counting?

- a. V
- b. III
- c. VII
- d. IV

8. If SNAKE is coded as UPCM, then what will be the code for JAPAN?

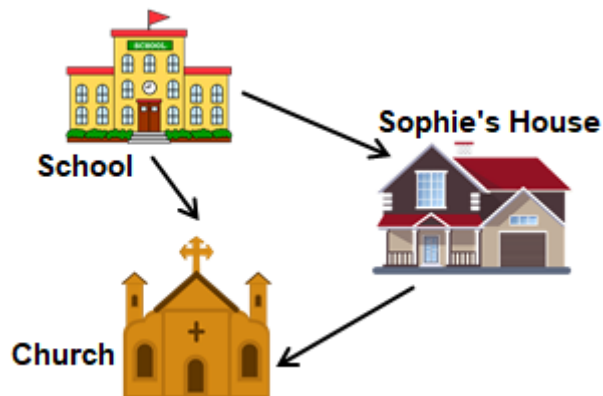
- a. NAPA
- b. LCRCP
- c. APJAN
- d. AJPNA

9. Arrange the following words according to the English dictionary.

- 1. Bunch
- 2. Petition
- 3. Improve
- 4. Direct

- a. 4132
- b. 3241
- c. 1432
- d. 2341

10. Sophie's house is in East direction from her school. She first goes to church, then to school. In which direction, the church is from the school?



- a. South
- b. West
- c. North-West
- d. South-East

11. In the following question, there is a certain relationship between two given words on one side of (::). Find the word on the other side so that the second pair has the similar relationship with the first pair.

Giant : Dwarf :: Genius : ?

- a. Wicked
- b. Gentle
- c. Idiot
- d. Tiny

12. In the following question, two words are given which are related to each other in a particular manner and you have to find the word from the given alternatives which bears exactly same relationship to the third word, as the first two bear.

'Hour' is related to 'Second' in the same way as 'Tertiary' is related to

- a. Ordinary
- b. Secondary
- c. Primary
- d. Intermediary

13. In the following question, two words are given which are related to each other in a particular manner and you have to find the word from the given alternatives which has exactly the same relationship to the third word, as the first two.

'Neck' is related to 'Tie' in the same way as 'Waist' is related to

- a. Watch
- b. Belt
- c. Ribbon
- d. Shirt

14. Three words are given in the following question, which have something in common among themselves. Choose the one with the quality common to the given three words.

Lion : Tiger : Bear

- a. Cow
- b. Goat
- c. Panther
- d. Buffalo

15. If in a certain code language, 'BROWSER' is written 'RESWORB', then how 'TEACHER' be coded in that same language?

- a. REHCEAT
- b. REHCAET
- c. REHCTEA
- d. AHRCTEA

16. Rachel is older than Kate. Iva is older than Kate but younger than Rachel, Susan is younger than both Mike and Kate, Kate is older than Mike. Who is the youngest?

- a. Susan
- b. Mike
- c. Iva
- d. Kate

17. Which of the following word cannot be formed by using the letters of the word - "BEHAVIOUR"?

- a. BEND
- b. BRAVE
- c. HERO
- d. VERB

18. A day before tomorrow is Friday. Then which day of the week was yesterday?

- a. Wednesday
- b. Thursday
- c. Friday
- d. Saturday

19. Among the four friends viz. A, B, C and D. A is taller than B. C is taller than A. B is not the shortest. Who among them is the tallest?

- a. D
- b. A
- c. B
- d. C

20. Find the next letter of the following series:

D, F, H, J, ?

- a. K
- b. L
- c. M
- d. N

21. Which of the following words can be formed by using the letters of the word - "FARMHOUSE"?

- a. Famous
- b. Afraid
- c. Force
- d. Firm

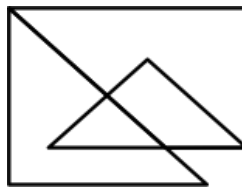
22. Among the four persons, Rob is older than Sam. Only Jack is younger than Richard. Who among them is the second oldest?

- a. Sam
- b. Richard
- c. Jack
- d. Cannot be determined

23. From the given figures, select the one in which the question figure is present?



24. How many triangles are there in the given figure?



- a. 4
- b. 2
- c. 3
- d. 5

25. A day before yesterday was Monday. What will be the day after tomorrow?

- a. Saturday
- b. Thursday
- c. Sunday
- d. Friday

Achiever's Section (Each Question is 2 Marks)

26. In the given number series, how many numbers with digit 4 are there which are immediately preceded by a prime number but not immediately followed by a prime number?

41 41 54 26 41 83 49 24 83 48 28 45 48 74 64 54

- a. 6
c. 3
- b. 4
d. 5

27. The first day of a leap year is Wednesday, then what day of the week was it on 31st December in that year?

- a. Thursday
c. Monday
- b. Saturday
d. Friday

28. Read the following information carefully to answer the following question.

A cube of 3 cm side is divided into smaller cubes of side 1 cm.

Find the total number of central cubes visible from outside.

- a. 3
c. 8
- b. 6
d. 12

29. Which image option most closely resembles the given image, if the mirror is placed vertically to the left?

NINE

- a. **NIEN**
c. **NIEN**
- b. **ENIN**
d. **ENIN**

30. Which option most closely resembles the mirror image of the given word, if the mirror is placed vertically to the left?

INSERT

- a. **TRƎSNI**
c. **INƎRT**
- b. **TRƎSNI**
d. **TERSNI**

31. Three points P, Q and R are in a straight line. Point P is to the north of point Q. Point Q is to the north of point R. In which direction is point P with respect to point R?

- a. North
c. South
- b. West
d. Cannot be determined

