



National Science Olympiad

The actual test paper has 35 questions. Time allowed : 60 minutes. There are 2 sections: 10 questions in section I and 25 in section II.

SYLLABUS

Section – I (Mental Ability) : Numerals, Number Name and Number Sense (2 digit numbers), Addition, Subtraction, Length, Weight, Time, Money, Geometrical Skills, Patterns, Odd One Out, Series Completion, Problems Based on Figures.

Section – II (Science) : Plants, Animals, Human Beings and Their Needs, Good Habits and Safety Rules, Air and Water, Weather and the Sky.



International
Mathematics Olympiad

The actual test paper has 35 questions. Time allowed : 60 minutes. There are 3 sections: 10 questions in section I, 15 in section II and 10 in section III.

Section – I : Logical Reasoning

Section – II : Mathematical Reasoning

Section – III : Everyday Mathematics

SYLLABUS

Numerals, Number Name and Number Sense (2 digit numbers), Addition, Subtraction, Length, Weight, Time, Money, Geometrical Skills, Patterns, Odd One Out, Series Completion, Problems Based on Figures.



International
English Olympiad

The actual test paper consists of 35 questions. Time allowed : 60 minutes. There are 3 sections:

Section-I: Word and Structure Knowledge

Section-II: Reading

Section-III: Spoken and Written Expression

SYLLABUS

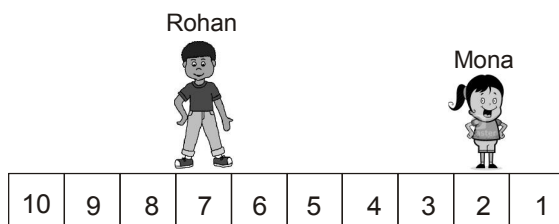
Jumbled Words, Words and Their Meanings, Words and Their Opposites, Identify the Word From the Picture, Making a Word, Feminine and Masculine, One and Many, Word Pairs, Odd One Out, Animals and Their Babies, Nouns, Verbs, Articles



National Science Olympiad

MENTAL ABILITY

1. Rohan and Mona are playing a game. Mona asked Rohan to move 2 steps away from her. If Rohan is on 7th step, where will he be after moving?

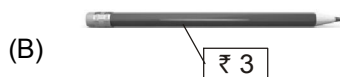
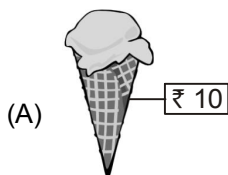


- (A) 5th step (B) 3rd step (C) 9th step (D) 10th step

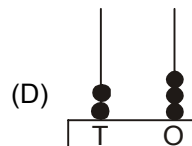
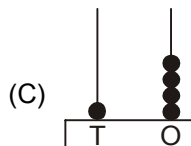
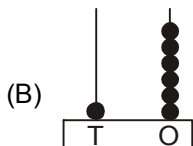
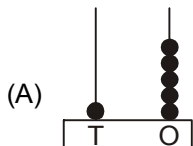
2. Rahul has



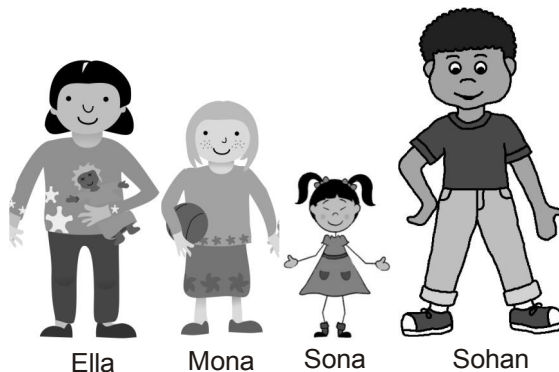
. Which of the following he can buy?



3. Which abacus shows one number less than 17?



4. Which of the following is the correct order from the tallest to shortest?



- (A) Sohan, Ella, Mona, Sona (B) Sona, Sohan, Ella, Mona
(C) Ella, Mona, Sona, Sohan (D) Mona, Sona, Sohan, Ella

5. Given pot has 1 red ball and rest blue balls. How many are blue colour balls?



- (A) 7 (B) 6 (C) 5 (D) 4

SCIENCE

6. Look at the picture and complete the following sentence.



Always cross the road on _____ crossing.

- (A) Horse (B) Zebra (C) Footpath (D) Traffic

7. Which of the following match is correct?

- (A) Stop - Green light (B) Wait - Yellow light (C) Go - Red light (D) All of these



8. _____ is the seed of _____

- (A) Wheat (B) Rice (C) Rajma (D) Corn

9. I am green and small. I can make you cry. I am a

- (A) Pea (B) Chilli (C) Ladyfinger (D) Spinach

10. Unscramble the words given below to get the name of the home of the animal shown in the figure.

'ATSLBE'

- (A) Ebstla (B) Tebsla
(C) Stable (D) Belsta



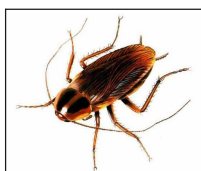
11. Which of the following statements is correct?



- (A) _____ lives in water



- (B) _____ cannot fly



- (C) _____ has eight legs



- (D) _____ is the largest living animal

12. Which part of our body helps us to hear a bell?

- (A) Eye (B) Nose (C) Ear (D) Tongue

13. The picture shows that our house keeps us safe from

- (A) The heat of the Sun
(B) Rain
(C) Cold
(D) Strong winds



14. Which of the following statements is INCORRECT?

- (A) We cannot feel air but we can see it. (B) Moving air is called wind.
(C) Air takes up space. (D) All of these

15. Choose the correct sequence of words to complete the paragraph given below.

Summer days are _____ while winter days are _____. A strong wind blows on _____.
Monsoon days are _____.

- (A) Cold, hot, a windy day, rainy (B) Rainy, cold, a hot day, windy
(C) Hot, cold, a windy day, rainy (D) Windy, hot, a rainy day, cold



International Mathematics Olympiad

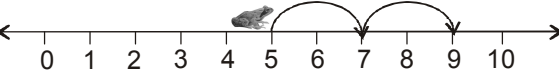
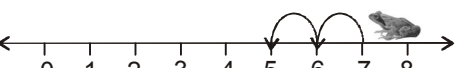
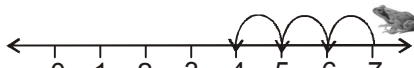
1. Which of the following shows correct descending order?

- (A) 10, 12, 13, 15 (B) 10, 9, 8, 7 (C) 15, 16, 17, 18 (D) 20, 19, 17, 25

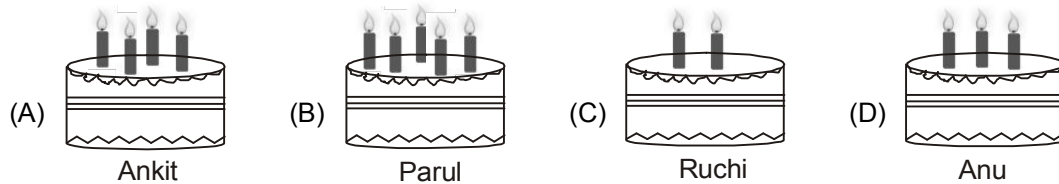
2. Latika, Monika and Sonika are sitting in a row. Latika is sitting between Monika and Sonika. Which of the following is the correct order?

- (A) Latika, Sonika, Monika (B) Latika, Monika, Sonika
(C) Sonika, Latika, Monika (D) Sonika, Monika, Latika

3. The  can jump two steps at a time. If it is at 5th step, where will it be after 2 jumps?

- (A) 
(B) 
(C) 
(D) 

4. Four friends are celebrating their birthdays. The candles on cake shows their ages. Who is the eldest?



5. The shape of  is looking like a

(A) Cone (B) Cylinder (C) Sphere (D) Cube

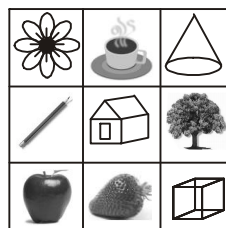
6. Given two baskets shows the number of apples.



Which is correct statement?

- (A) Yellow basket has more apples than red basket.
 (B) Red basket has more apples than yellow basket.
 (C) Both red and yellow baskets have equal apples.
 (D) Red basket has less apples than yellow basket.

7. Which figure is in the centre?



(A)  (B)  (C)  (D) 

8. Add me to 4 and subtract me from 12. The answer is the same. Who am I?

(A) 14 (B) 10
 (C) 6 (D) 4



9. Look at the picture given below.



Which of the following number sentence shows above picture?

(A) $2 + 2 + 2$ (B) $2 + 2 + 4 + 4$ (C) $2 + 2$ (D) $2 + 2 + 2 + 2$

- 10.



Which of the following shows the total value of above coins?

(A) ₹ 5 (B) ₹ 2 (C) ₹ 10 (D) ₹ 20

11. Which of the following shows the object which can hold maximum water?

(A)



(B)



(C)



(D)



12. Sonali bought the following items.



₹ 10



₹ 2



₹ 5

How much money did she spend?

(A) ₹ 27

(B) ₹ 15

(C) ₹ 12

(D) ₹ 17

13. Which subtraction gives 42 as the answer?

(A) $99 - 42$

(B) $98 - 56$

(C) $84 - 40$

(D) $82 - 30$

14. Chintu has 24 balls. He gave 2 balls to his sister. How many balls does Chintu has now?

(A) 22 balls

(B) 20 balls

(C) 18 balls

(D) 21 balls

15. To get 8, Ria has to add 4 _____ times.

(A) 6

(B) 4

(C) 10

(D) 2



International English Olympiad

WORD AND STRUCTURE KNOWLEDGE

1. Find the odd word.

(A) Railway station

(B) River

(C) Train

2. Identify the picture.



(A) Bubble

(B) Rainbow

(C) Sun

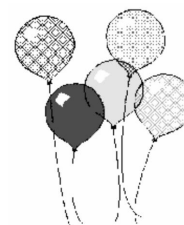
3. Identify the object in the picture and fill in the blanks to form the correct spelling.

BALL__N

(A) BALL U U N

(B) BALL O O N

(C) BALL U O N



Direction (Q. No. 4 and 5) : Form a meaningful word.

4. Plca
(A) Palc (B) Clap (C) Plac
-
5. Ssrga
(A) Ragss (B) Rgass (C) Grass
-
6. Find the odd one out from the given set of words.
East, west, north, but, south
(A) But (B) North (C) South
-
7. The young one of cat is
(A) Pup (B) Kitten (C) Cub
-
8. 'Monika sleeps on sofa'. Identify the verb.
(A) Monica (B) Sleeps (C) Sofa
-
9. The are going to the school.
(A) Child (B) Children (C) Childrens

READING

Direction (Q. No. 10 to 13) : For the given picture, answer the following questions.



10. My name is Maria. I am a _____.
(A) Maid (B) Teacher (C) Nurse
-
11. I am usually found in _____.
(A) Hospitals (B) Police stations (C) Zoos
-
12. I take care of the _____.
(A) Animals (B) Patients (C) Teachers
-
13. I give _____ to my patients.
(A) Medicines (B) Food (C) Home work

SPOKEN AND WRITTEN EXPRESSION

Direction (Q. No. 14 and 15) : Choose the right answer.

14. Tom: Jerry! Don't make a noise.
Jerry:
(A) I am not a teacher, Tom. (B) Thank You, Tom.
(C) Sorry, Tom.
-
15. Ali lived in a house with a large garden.
.....
(A) There were a lot of books on the table. (B) The school will start tomorrow.
(C) The garden had many rose plants in it.
-

SAMPLE ANSWER SHEET

1. **NAME** : If your name is SACHIT A IYER, then you should write as follows :

S	A	C	H	I	T	A	I	Y	E	R										
---	---	---	---	---	---	---	---	---	---	---	--	--	--	--	--	--	--	--	--	--

2. **FATHER'S NAME** : If your father's name is SATISH KUMAR SHARMA, then you should write as follows :

S	A	T	I	S	H	K	U	M	A	R	S	H	A	R	M	A				
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	--	--	--	--

SCHOOL CODE

M	H	0	5	4	7
A	A	●	0	0	0
B	B	1	1	1	1
C	C	2	2	2	2
D	D	3	3	3	3
E	E	4	4	●	4
F	F	5	●	5	5
G	G	6	6	6	6
H	●	7	7	7	●
I	I	8	8	8	8
J	J	9	9	9	9
K	K				
L	L				
M	M				
N	N				
O	O				
P	P				
Q	Q				
R	R				
S	S				
T	T				
U	U				
V	V				
W	W				
X	X				
Y	Y				
Z	Z				

3. SCHOOL CODE

Write your school code
i.e. if your school code
is MH0547 darken as
follows :

Darken
the circle

6. GENDER

If you are a boy,
then darken
Male circle

GENDER

MALE ● FEMALE ○

4. CLASS

If you are in Class
10, then you should
darken as follows :

5. ROLL NO.

If your roll no. is 587,
then you should write
and darken the circles
as follows :

CLASS		ROLL NO.		
1	0	5	8	7
0	●	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	●	5	5
6	6	6	6	6
7	7	7	7	●
8	8	8	●	8
9	9	9	9	9

Darken
the circle

CORRECT
way to darken
the circle

WRONG
way to darken
the circle

7. If your choice for Answer 1 is C, then you should darken the circle as follows :

1. (A) (B) ● (D)

MARK YOUR ANSWERS WITH HB PENCIL/BALL POINT PEN (BLUE/BLACK)

National Science Olympiad

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|---------------------|---------------------|---------------------|---------------------|---------------------|
| 1. (A) (B) (C) (D) | 2. (A) (B) (C) (D) | 3. (A) (B) (C) (D) | 4. (A) (B) (C) (D) | 5. (A) (B) (C) (D) |
| 6. (A) (B) (C) (D) | 7. (A) (B) (C) (D) | 8. (A) (B) (C) (D) | 9. (A) (B) (C) (D) | 10. (A) (B) (C) (D) |
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International Mathematics Olympiad

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| 1. (A) (B) (C) (D) | 2. (A) (B) (C) (D) | 3. (A) (B) (C) (D) | 4. (A) (B) (C) (D) | 5. (A) (B) (C) (D) |
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International English Olympiad

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| 1. (A) (B) (C) | 2. (A) (B) (C) | 3. (A) (B) (C) | 4. (A) (B) (C) | 5. (A) (B) (C) |
| 6. (A) (B) (C) | 7. (A) (B) (C) | 8. (A) (B) (C) | 9. (A) (B) (C) | 10. (A) (B) (C) |
| 11. (A) (B) (C) | 12. (A) (B) (C) | 13. (A) (B) (C) | 14. (A) (B) (C) | 15. (A) (B) (C) |

National Science Olympiad

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| 1. (C) | 2. (B) | 3. (B) |
| 4. (A) | 5. (A) | 6. (B) |
| 7. (B) | 8. (D) | 9. (B) |
| 10. (C) | 11. (B) | 12. (C) |
| 13. (B) | 14. (A) | 15. (C) |

International Mathematics Olympiad

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|---------|---------|---------|
| 1. (B) | 2. (C) | 3. (A) |
| 4. (B) | 5. (C) | 6. (C) |
| 7. (B) | 8. (D) | 9. (D) |
| 10. (A) | 11. (A) | 12. (D) |
| 13. (B) | 14. (A) | 15. (D) |

International English Olympiad

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|---------|---------|---------|
| 1. (B) | 2. (B) | 3. (B) |
| 4. (B) | 5. (C) | 6. (A) |
| 7. (B) | 8. (B) | 9. (B) |
| 10. (C) | 11. (A) | 12. (B) |
| 13. (A) | 14. (C) | 15. (C) |