



Inspiring Young Minds
Through Knowledge Olympiads

CLASS

2

SET-B

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

Name:

Section: Roll No.:

Contact No.

Total Questions: 35 Time: 1 hr.



10TH SOF INTERNATIONAL MATHEMATICS OLYMPIAD

Guidelines for the Candidate

1. Please check your Name, Class and Section on the OMR sheet provided to you. In case, OMR sheet with your name is missing, please fill in information about yourself in the blank OMR sheet provided before start of exam.

2. Please fill in your **% of marks/grade** in last class clearly on the **OMR Sheet** and do not forget to sign it.

3. The Question Paper comprises four sections :
Logical Reasoning (10 Questions), **Mathematical Reasoning** (10 Questions), **Everyday Mathematics** (10 Questions) and **Achievers Section** (5 Questions)

Each question in Achievers Section carries 2 marks, whereas all other questions carry one mark each.

4. All questions are compulsory. There is no negative marking. Use of calculator is not permitted.

5. There is only ONE correct answer. Choose only ONE option for an answer.

6. To mark your choice of answers by darkening the circles in the OMR Sheet, use **HB Pencil** or **Blue / Black ball point pen** only. E.g.

Q. 16: Sonia has 80 sweets. She gave 15 sweets to Danish and 15 sweets to Megha. How many sweets are left with her?

A. 50

B. 30

C. 60

D. 40

As the correct answer is option A, you must darken the circle corresponding to option A in the OMR Sheet.

16. ● B C D

7. Rough work should be done in the blank space provided in the booklet.

8. Return the OMR Sheet to the invigilator at the end of the exam.

9. Please fill in your personal details in space on top of this page before attempting the paper.

LOGICAL REASONING

1. Find the odd one out.

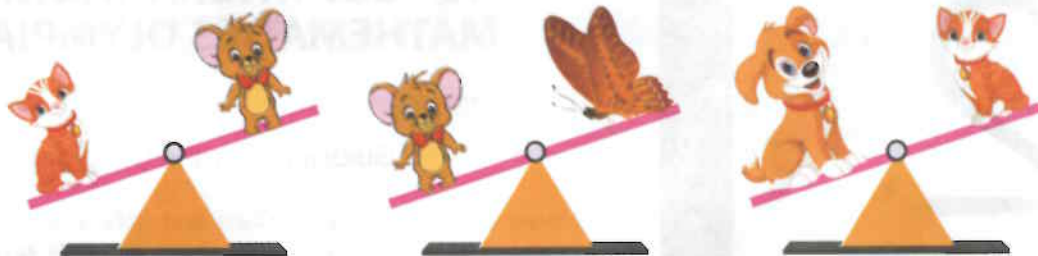
- A.  B.  C.  D. 

2. Complete the number pattern given below.

- A. 14
B. 11
C. 13
D. 15




3. Select the correct option.



- A. Cat is heaviest amongst all.
B. Butterfly is heavier than rat.
C. Rat is heavier than cat only.
D. Dog is heavier than rat.

4. There is a certain relationship between pair of figures on the either side of $::$. Identify the relationship and find the missing figure.



- A.  B.  C.  D. 

5. Which of the following words is hidden in the given image?

- A. HUGS
B. SHUT
C. THIN
D. FROM



SPACE FOR ROUGH WORK

6. If all the vowels are removed from the given word, then _____ is fourth from the right end.

OLYMPIADS

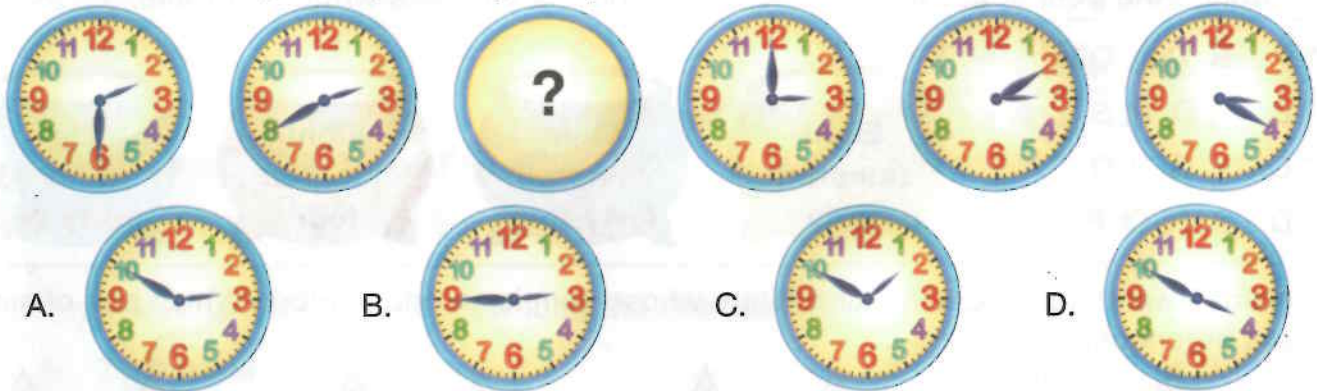
- A. M B. D C. L D. P

7. How many equal groups of five clowns each can be formed?



- A. 9 B. 10 C. 4 D. 5


8. Find the missing clock, if the given pattern is followed on the clocks.



9. Samaksh celebrates his mother's birthday on the day just after second Friday of December 20XX. On which date will he be celebrating his mother's birthday?

- A. 10th
B. 11th
C. 3rd
D. 9th

DECEMBER 20XX						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

10. If '  ' is called '  ', '  ' is called '  ', '  ' is called '  ', then which body part is used to smell anything?

- A.  B.  C.  D. 

SPACE FOR ROUGH WORK

11. Count the number of circles in the adjoining figure.

- A. 37
- B. 35
- C. 39
- D. 40



12. How many three digit even numbers can be formed using $\triangle 9$, $\triangle 8$, $\triangle 7$, if repetition of digits is not allowed?

- A. 3
- B. 5
- C. 6
- D. 2

13. Arrange the pots in ascending order based on the numbers written on them.

- A. R, P, S, Q
- B. P, Q, R, S
- C. R, S, P, Q
- D. S, R, Q, P



14. Naman wants to choose a pair of stars whose sum is an odd number. Which pair of stars will he choose?



- A.
- B.
- C.
- D.

15. Read the given table and find the values of P and Q.

Item you bought	Money you have	Change you receive
		P
		Q

- A. P = ₹ 5 and Q = ₹ 50
- B. P = ₹ 50 and Q = ₹ 50
- C. P = ₹ 25 and Q = ₹ 50
- D. P = ₹ 20 and Q = ₹ 50






SPACE FOR ROUGH WORK

16. If weight of 1  is 45 kg, then the weight of 1  is _____.



- A. 30 kg B. 35 kg C. 40 kg D. 45 kg

Direction (17-18) : Study the table and answer the following questions.

Name	Number of candies
Preeti	
Ruchi	
Honey	
Mihika	
1  = 7 candies	

17. How many less candies does Ruchi has than Honey and Mihika altogether?
 A. 49 B. 35
 C. 32 D. 14
18. How many more candies do both Honey and Mihika have than both Ruchi and Preeti?
 A. 10 B. 9 C. 7 D. 8

19. Priya went to park for jog. How long did she jog for?
 A. 20 minutes
 B. 26 minutes
 C. 24 minutes
 D. 28 minutes



Started jogging Stopped jogging

20. Which of the following comes in place of to make the number sentence true?

$$35 \quad \square \quad 14 = 23 \quad \square \quad 26$$

- A. + B. - C. × D. ÷

EVERYDAY MATHEMATICS

21. Sneha wants to put 28 cherries in 4 boxes equally. Each box will have _____ cherries.
 A. 7 B. 8 C. 9 D. 5

SPACE FOR ROUGH WORK

RR
42
+ 3
=

22. There were 143 men, 211 women and rest were children in a party of 599 people. How many children were there?

- A. 245 B. 599 C. 354 D. 388

23. Which of the following are the most costliest and cheapest items respectively?



₹ Five hundred



₹ Five hundred fifty



₹ Five hundred fifty five



₹ Five hundred forty five

- A. Toy train, Toy tom B. Toy car, Toy clown
C. Toy clown, Toy train D. Toy tom, Toy clown

24. Amit collected 168 red marbles and 101 blue marbles. How many total marbles he collected altogether?

- A. 268 B. 269 C. 267 D. 260

25. 32 children can sit in a bus. How many such buses are needed to accommodate 96 children?

- A. 4 B. 2 C. 3 D. 5

26. Rohan wants to pack 81 cans in boxes of 9. How many boxes will Rohan need?

- A. 7 B. 8 C. 9 D. 10

27. Soham is 17 years old. Nidhi is 15 years older than Soham. How old is Nidhi?

- A. 32 years B. 27 years C. 25 years D. 20 years

28. Trishu prepares the given ladoos. If she eats 15 ladoos, then how many ladoos will be left?

- A. 11 B. 18
C. 12 D. 13



SPACE FOR ROUGH WORK

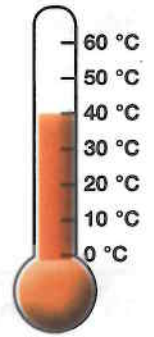
$$\begin{array}{r} 143 \\ 211 \\ \hline 354 \end{array}$$

$$\begin{array}{r} 354 \\ - 549 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 168 \\ 101 \\ \hline 269 \end{array}$$

29. Rohan's room temperature is shown here. After some time, temperature fell down by 5°C . The room's temperature is _____ now.

- A. 20°C
- B. 25°C
- C. 35°C
- D. 40°C



30. Anuj baked 5 cakes. The weight of each cake is 4 kg. What is the weight of all five cakes altogether?

- A. 20 kg
- B. 25 kg
- C. 30 kg
- D. 35 kg

ACHIEVERS SECTION

31. Select the CORRECT match.

- A. Four hundred fifty five = $455 - 50$
- B. Four hundred fifty = $450 - 50$
- C. Four hundred five = $400 - 50$
- D. Four hundred = $450 - 50$

32. Find the values of P, Q, R and $P + Q + R$.

- | P | Q | R | P + Q + R |
|--------|-----|-----|-----------|
| A. 8 ✓ | 8 ✓ | 7 ✓ | 23 |
| B. 8 | 7 | 8 | 23 |
| C. 8 | 7 | 8 | 24 |
| D. 8 ✓ | 8 ✓ | 7 ✓ | 24 |


$$\begin{array}{r}
 \textcircled{V} \\
 5 \quad 2 \quad \boxed{P} \\
 + 2 \quad \boxed{Q} \quad 5 \\
 \hline
 \boxed{R} \quad 0 \quad 3
 \end{array}$$

33. Read the given clues and form the 3-digit number.

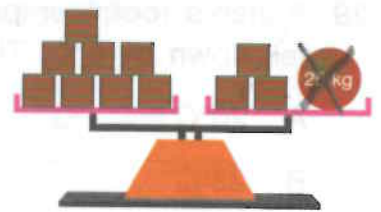
- The hundreds place digit is the largest one digit odd number.
- The tens place digit is 7 less than the hundreds place digit.
- The ones place digit is 4 more than tens place digit.

- A. 429
- B. 679
- C. 627
- D. 926


SPACE FOR ROUGH WORK

34. What is the weight of one ?


- A. 7 kg
- B. 5 kg
- C. 28 kg
- D. 10 kg




35. Arrange the following in descending order.




P



Q



R



S

A. P, R, S, Q B. P, Q, R, S C. S, R, Q, P D. P, Q, S, R

SPACE FOR ROUGH WORK

$\frac{25}{3}$



THE INSTITUTE OF
Company Secretaries of India
PRESENTS



1ST SOF INTERNATIONAL COMPANY SECRETARIES OLYMPIAD



STAR SPORTS
PRESENTS



1ST SOF INTERNATIONAL SPORTS KNOWLEDGE OLYMPIAD



16TH SOF NATIONAL CYBER OLYMPIAD



19TH SOF NATIONAL SCIENCE OLYMPIAD



10TH SOF INTERNATIONAL MATHEMATICS OLYMPIAD

In association with




7TH SOF INTERNATIONAL ENGLISH OLYMPIAD

Participate in World's Biggest Olympiads ► Contact your SOF Olympiad Incharge Teacher / Principal Today!

For latest updates & information, please like  our Facebook page (www.facebook.com/sofworld) or register on <http://www.sofworld.org/subscribe-updates.html>

For Level 1 and Level 2 preparation material / sample papers, please log on to www.mtg.in



Head Office: Plot No. 99, Sector 44, Gurgaon - 122 003 (HR) | Email: info@sofworld.org | Website: www.sofworld.org
 Regd Office: B-8 Taj Apartment, Ring Road, New Delhi - 110 029

Note: Please address all communication to the Head Office only.