



**SOF INTERNATIONAL
MATHEMATICS OLYMPIAD**

Total Questions : 35

Time : 1 hr.

PATTERN & MARKING SCHEME				
Section	(1) Logical Reasoning	(2) Mathematical Reasoning	(3) Everyday Mathematics	(4) Achievers Section
No. of Questions	10	10	10	5
Marks per Ques.	1	1	1	2

SYLLABUS

Section – 1 : Patterns, Odd One Out, Measuring Units, Geometrical Shapes, Spatial Understanding, Grouping, Analogy, Ranking Test, Problems based on Figures.

Section – 2 : Numerals, Number names, Number Sense (2 digit numbers), Addition, Subtraction, Lengths, Weights and Comparisons, Time, Money, Geometrical Shapes and Solids, Patterns.

Section – 3 : Syllabus as per Section–1 and 2.

Section – 4 : Higher Order Thinking Questions - Syllabus as per Section–1 and 2.

LOGICAL REASONING

1. 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
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 (B)

Latika	Monika	Sonika
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- (C)

Sonika	Latika	Monika
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 (D)

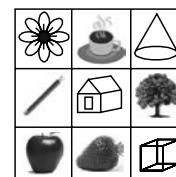
Sonika	Monika	Latika
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2. The shape of  is looking like a _____.

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

3. Which figure is in the centre?

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




4. Which of the following objects can hold maximum amount of water?

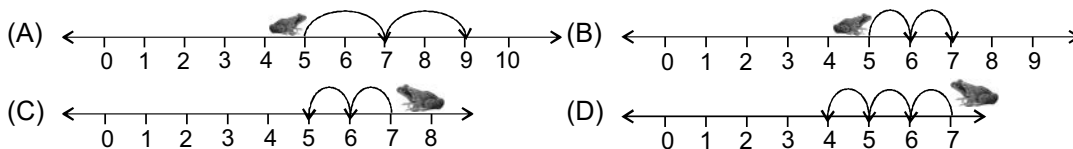
- (A)  (B)  (C)  (D) 

MATHEMATICAL REASONING

5. Which of the following shows a correct descending order?

- (A) $\begin{array}{c} 10 \\ \swarrow \\ 12 \\ \swarrow \\ 13 \\ \swarrow \\ 15 \end{array}$ (B) $\begin{array}{c} 10 \\ \swarrow \\ 9 \\ \swarrow \\ 8 \\ \swarrow \\ 7 \end{array}$ (C) $\begin{array}{c} 15 \\ \swarrow \\ 16 \\ \swarrow \\ 17 \\ \swarrow \\ 18 \end{array}$ (D) $\begin{array}{c} 20 \\ \swarrow \\ 19 \\ \swarrow \\ 17 \\ \swarrow \\ 25 \end{array}$

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



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



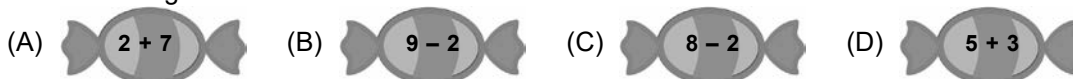
8. Sonali bought the following items.



How much money did she spend?

- (A) ₹ 27 (B) ₹ 15 (C) ₹ 12 (D) ₹ 17

9. Which toffee gives the answer smaller than 7?



EVERYDAY MATHEMATICS

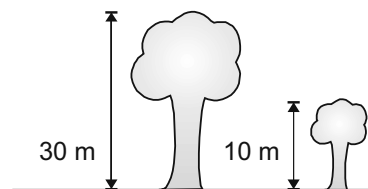
10. Given two baskets shows the number of apples. Which of the following statements is CORRECT?
- (A) Basket X has two more apples than Basket Y.
 (B) Basket Y has more apples than Basket X.
 (C) Both Baskets X and Y have equal apples.
 (D) Basket Y has one apple less than Basket X.



11. A chocolate costs ₹ 25. Jiah has only ₹ 13 now. How much more money does she need to buy the chocolate?
- (A) ₹ 10 (B) ₹ 12 (C) ₹ 8 (D) ₹ 11
12. Chintu has 24 balls. He gives 2 balls to his sister. How many balls does Chintu has now?
- (A) 22 (B) 20 (C) 18 (D) 21

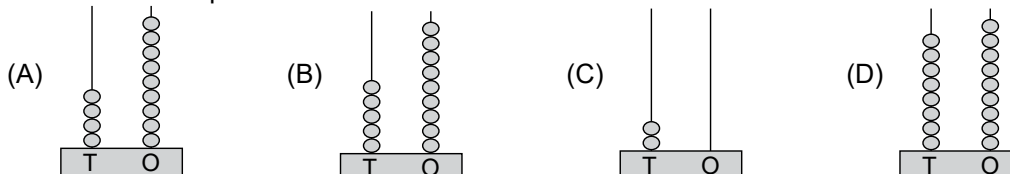
13. The total height of both the trees together is ____.

- (A) 30 m
 (B) 40 m
 (C) 50 m
 (D) 20 m



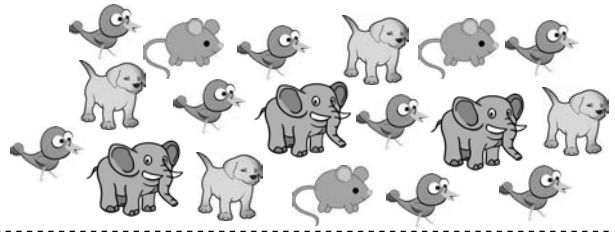
ACHIEVERS SECTION

14. Which abacus represents 20 less than 69?



15. How many birds are there in the given picture?

- (A) 8 tens – 40 ones
- (B) 2 tens + 18 ones
- (C) 18 ones – 10 ones
- (D) 12 ones + 4 tens



SPACE FOR ROUGH WORK

ANSWERS

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