



**SOF INTERNATIONAL
MATHEMATICS OLYMPIAD
2024-25**

CLASS

3

QUESTION
PAPER SET

C

DO NOT OPEN THIS BOOKLET UNTIL ASKED TO DO SO

Total Questions : 35 | Time : 1 hr.

Guidelines for the Candidate

1. You will get additional ten minutes to fill up information about yourself on the OMR Sheet, before the start of the exam.
2. Write your **Name, School Code, Class, Section, Roll No.** and **Mobile Number** clearly on the **OMR Sheet** and do not forget to sign it. We will share your marks / result and other information related to SOF exams on your mobile number.
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 on the OMR Sheet, use **HB Pencil** or **Blue / Black ball point pen** only.

E.g.
Q. 16: Raghav drinks 10 glasses of water in one day. If he drinks same amount of water every day, then how many glasses of water will he drink in one week?

- A. 70 B. 40 C. 50 D. 65

As the correct answer is option A, you must darken the circle corresponding to option A on 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 the space provided before attempting the paper.



Name:.....

SOF Olympiad Roll No.:..... Contact No.:.....

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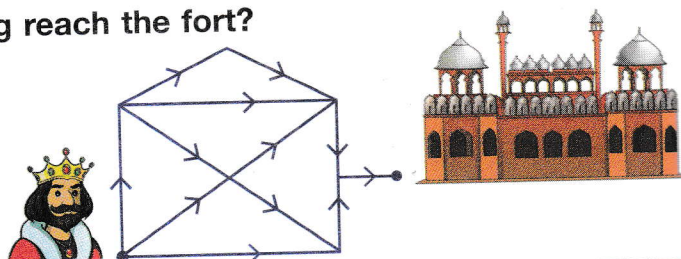
7.2+ Crores
Assessments

8
Olympiads



- 1** Nisha is taller than Vani and Vani is taller than Pihu. Aarti is taller than Nisha. Who among the following is the **SHORTEST**?
- A. Pihu B. Vani C. Nisha D. Aarti



- 2** In how many different ways, can the king reach the fort?

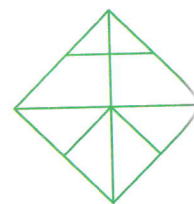
- A. 5
B. 4
C. 3
D. 7





- 3** Which of the following figures is **NOT** exactly embedded in the given figure as one of its parts?

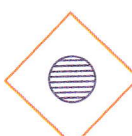

- A. 
C. 

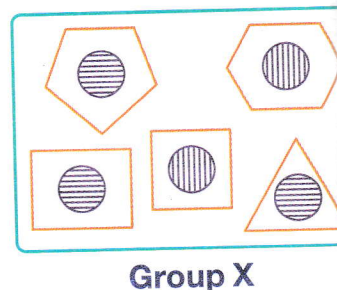
- B. 
D. 




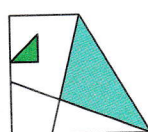
- 4** Which of the following figures does **NOT** belong to Group (X)?

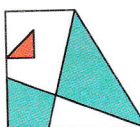
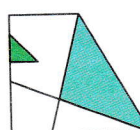
- A. 
C. 

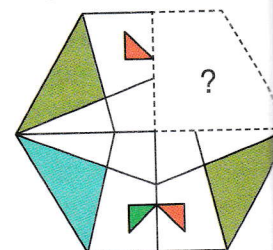
- B. 
D. 



- 5** Select a figure from the options which will complete the given figure pattern.

- A. 
C. 

- B. 
D. 



- 6** If today is third day from Monday, then tomorrow will be _____.
- A. Saturday B. Thursday C. Friday D. Wednesday

SPACE FOR ROUGH WORK

- 7 Select the combination of numbers from the options in which the given letters are arranged accordingly to form a meaningful English word.

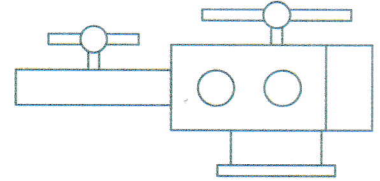
D G I E U

1 2 3 4 5

- A. 4, 3, 2, 1, 5 B. 2, 5, 3, 1, 4 C. 3, 5, 1, 2, 4 D. 2, 3, 1, 5, 4

- 8 Find the number of horizontal lines in the given figure.

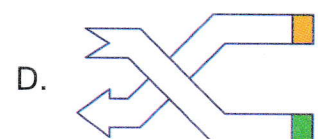
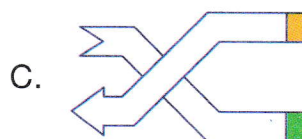
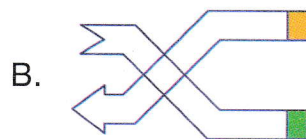
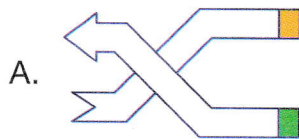
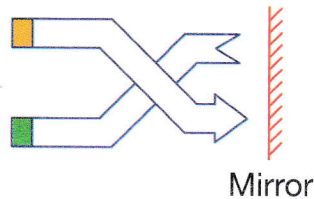
- A. 14
B. 12
C. 15
D. 10



- 9 Select the odd one out.



- 10 Select the CORRECT mirror image of the given figure.



MATHEMATICAL REASONING

- 11 Which of the following options shows the numbers arranged in descending order?

- A. 758, 652, 358, 419
B. 358, 419, 652, 758
C. 758, 652, 419, 358
D. 419, 652, 358, 758

SPACE FOR ROUGH WORK

- 12 Madhulika has some money in her piggy bank. She has the amount as shown.

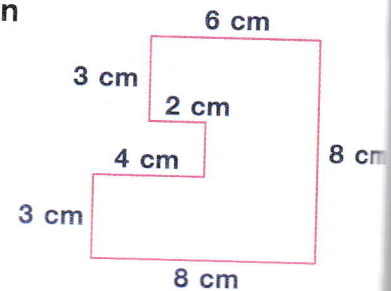


Her friend Sonika has some rupee notes with her. She wants to exchange with Madhulika. Which of the amount shown below is same as Madhulika's amount?



- 13 Find the total length of boundary of the given figure (not drawn to scale).

- A. 36 cm
B. 38 cm
C. 34 cm
D. None of these



DIRECTIONS (14-15) : The given pictograph shows the number of students who applied from different schools for a basketball team. Study the given graph carefully and answer the following questions.

- 14 From which of the following schools, the same number of students applied?

- A. S, P
B. T, Q
C. Q, R
D. None of these

Schools	Number of students who applied
P	
Q	
R	
S	
T	

Each stands for 6 students.

- 15 Out of total students who applied, if only 12 students were selected for the basketball team, then how many students were not selected?

- A. 20 B. 150 C. 18 D. 168

SPACE FOR ROUGH WORK

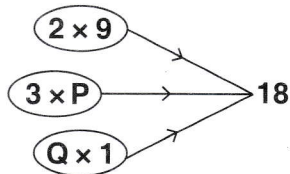
- 16 Some of the letters are written below.

P M R S G H K L U D V B O F S W T Z

What fraction of the above letters are vowels?

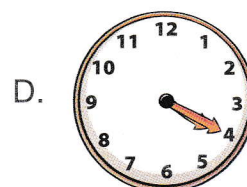
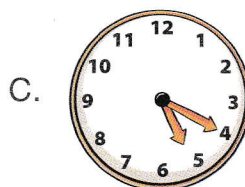
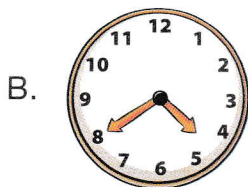
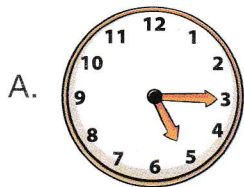
- A. $\frac{2}{16}$ B. $\frac{16}{18}$ C. $\frac{2}{18}$ D. $\frac{5}{18}$

- 17 Study the given number bond carefully. Find the value of $P + Q$.



- A. 30 B. 18 C. 28 D. 24

- 18 Which of the following clocks shows 20 minutes past 5:00?

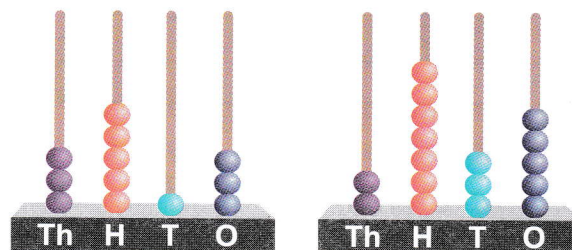


- 19 If → and

- , then can hold _____ more than .
- A. 2 B. 4 C. 6 D. 8

- 20 The sum of place value of digits at thousands place of numbers in the given abacuses is _____.

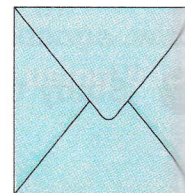
- A. 4500
B. 6248
C. 5000
D. None of these



SPACE FOR ROUGH WORK

- 21 An envelope made by Sakshi is in the shape of a square as shown here. If the total length of the boundary of envelope is 84 cm, then find the length of its one side.

A. 21 cm
B. 20 cm
C. 24 cm
D. 42 cm



- 22 There are 1050 strawberries in carton P and 258 more strawberries in carton Q than in carton P. How many total strawberries are there in both the cartons?

A. 2100 B. 2358 C. 1308 D. 2448

- 23 15 pillars were built along a straight road at same distance apart. The distance between the first pillar and the last pillar is 210 m. What is the distance between the third pillar and the seventh pillar?

A. 6 cm B. 600 cm C. 60 cm D. 6000 cm

- 24 A teacher asked five students to write 3-digit numbers on the board. The numbers written by the students are shown here.

How many of the numbers written on the board are odd numbers?

141	598
	375
608	719

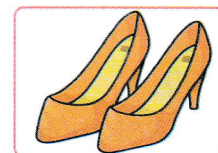
A. 3 B. 4 C. 5 D. 2

- 25 There are 17 birds in a cage, out of which 12 flew away. What fraction of total birds is still left in the cage?

A. $\frac{5}{12}$ B. $\frac{12}{17}$ C. $\frac{5}{17}$ D. $\frac{7}{12}$

- 26 Ashima bought 2 sarees and 1 pair of heels from the market. How much total amount does she need to pay, if the cost of 1 saree and 1 pair of heels are shown here?

A. ₹ 1135
B. ₹ 1530
C. ₹ 1855
D. ₹ 1760

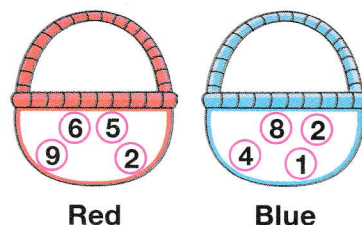


SPACE FOR ROUGH WORK

- 27 Sohan has two baskets full of some number tokens. He likes the numbers that are in red basket. Which of the following numbers is formed by using the digits given in basket which he likes?

A. 8763
C. 7563

B. 6529
D. 6958



- 28 A sugar sack is completely filled with 45 kg of sugar. If the sugar is equally packed into 9 small packets, then find the weight of sugar in each small packet.

A. 6 kg

B. 4 kg

C. 5 kg

D. 7 kg

- 29 Amit drew a shape using 7 straight lines and 3 curved lines. What fraction of total lines is straight lines?

A. $\frac{7}{3}$

B. $\frac{3}{10}$

C. $\frac{3}{7}$

D. $\frac{7}{10}$

- 30 Rohit feeds 15 dogs each day on different locations. How many dogs does he feed in 2 weeks?

A. 150

B. 250

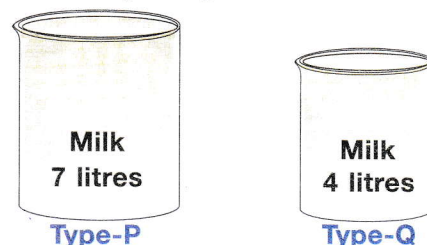
C. 210

D. 320

ACHIEVERS SECTION

- 31 A barrel contains 4 litres of milk in it. If milk from 5 containers of type-P and 7 containers of type-Q are poured in it to fill it completely, then what is the capacity of the barrel?

A. 67 litres
B. 63 litres
C. 65 litres
D. 52 litres



- 32 Identify the four digit number using the given clues.

- Its ones place digit is 5 less than the greatest 1-digit even number.
- Its tens place digit is hundreds place digit of $(852 - 379)$.
- Its hundreds place digit is 2 more than its ones place digit.
- Its thousands place digit is the ones place digit of $(171 + 821)$.

A. 2543

B. 3453

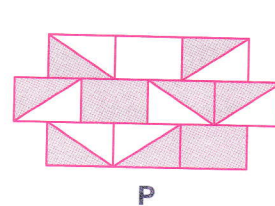
C. 2644

D. 2453

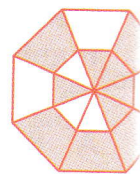
SPACE FOR ROUGH WORK

- 33 Observe the given figures carefully and select the CORRECT option.

- A. The shaded fraction of figure P is $\frac{11}{20}$.
 B. The unshaded fraction of figure Q is $\frac{3}{8}$.
 C. If one more rectangle will be shaded in figure P, then the unshaded fraction of figure P will be $\frac{7}{20}$.
 D. All of these



P



Q

- 34 Match the following and select the CORRECT option.

Column-A

- P. Place value of digit at tens place in the greatest 4-digit number is
 Q. The smallest 4-digit number that can be formed by using the digits 3, 0, 1 and 8 (using each digit exactly once) is
 R. The short form of $5000 + 700 + 20 + 9$ is

Column-B

a. 5729

b. 90















c. 1038

A. $P \rightarrow c$; $Q \rightarrow b$; $R \rightarrow a$

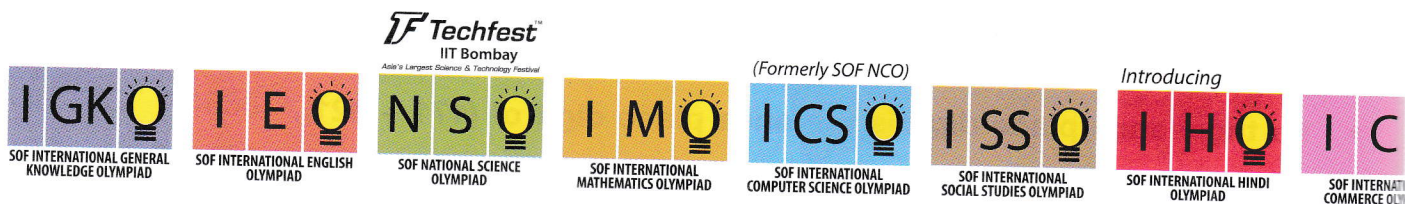
B. $P \rightarrow b$; $Q \rightarrow c$; $R \rightarrow a$


C. $P \rightarrow c$; $Q \rightarrow a$; $R \rightarrow b$

D. $P \rightarrow b$; $Q \rightarrow a$; $R \rightarrow c$

- 35 If  +  +  +  +  = ₹ 640;  +  +  + 
 +  = ₹ 560 and  +  = ₹ 255, then find the cost of  + .
 A. ₹ 230 B. ₹ 310 C. ₹ 245 D. ₹ 325

SPACE FOR ROUGH WORK



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