

ISFO Maths Sample Paper

MAXIMUM TIME: 60 MINUTES

MAXIMUM MARKS: 100

INSTRUCTIONS

- Please DO NOT OPEN the contest booklet until you are asked to do so.
- The question paper comprises of 4 sections (Total 50 questions):

Section A: Mathematical Reasoning	25-Questions (2 marks each)
Section B: Everyday Maths	15-Questions (1 mark each)
Section C: Logical Reasoning	5-Questions (2 marks each)
Section D: BrainBox	5-Questions (5 marks each)
- All questions are compulsory. There is no negative marking.
- No electronic devices capable of storing and displaying visual information such as calculator and mobile are allowed during the course of the exam.
- Fill all your detail properly on the OMR sheet.
- There is only ONE correct answer of each question.
- To mark your choice of answers by darkening the circles on the OMR Sheet, use an HB Pencil or a Blue/Black Ball Point Pen only.
- Shade your answer clearly as per the given example:



DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

Roll No.:

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Student's Name:

SECTION A: MATHEMATICAL REASONING

1. What is the missing operation in the blank?

$$28 + 43 \square 12 \div 3 = 10 \times 7 - 3$$

- a) + b) -
c) × d) ÷
-

- c) 10-digit
d) 12-digit
-

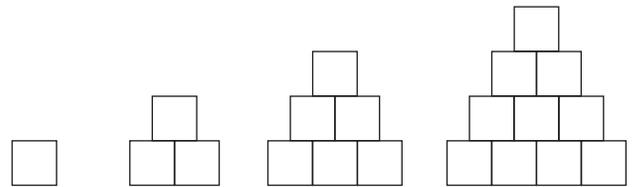
2. 0.8 Million is the same as _____.

- a) 80×10000
b) 800×100
c) 8×10000
d) 80×100
-

3. The product of a 3-digit number and a 4-digit number cannot be more than

- a) 4-digit
b) 7-digit
-

4. Observe the following pattern.

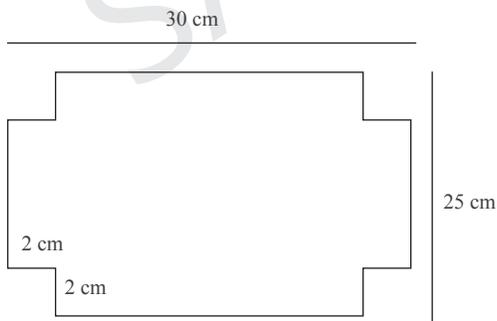


How many squares will make up the twelfth structure?

- a) 50
b) 55
c) 66
d) 78
-

SECTION B: EVERYDAY MATHS

5. Sneha wants to make a box. She starts with a piece of cardboard whose length is 30 cm and width is 25 cm. Then she cuts squares with side of 2 cm each at the four corners. What is the area of the cardboard after she cuts the 4 corners?



- a) 724 cm^2
b) 734 cm^2
c) 746 cm^2

- d) 750 cm^2
-

6. The national championship game will be played on an artificial surface. One-fifth of the team needs new shoes for the game. There are 60 players in the team, and each pair of shoes sells for ₹ 3450.

How much total money needed for the player's shoes?

- a) ₹41400
b) ₹57000
c) ₹67450
d) ₹135000
-

SECTION C: LOGICAL REASONING

7. A clock when seen through a mirror, shows quarter past three. What is the correct time shown by the clock?

- a) 3:15
- b) 8:45
- c) 9:15
- d) 9:45

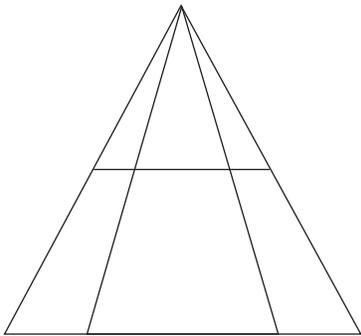
many cookies each person could get?

- a) The kind of cookies baked.
- b) The number of cookies baked.
- c) The quality of cookies baked.
- d) The size of cookies baked.

8. Nidhi's Mother baked cookies. Nidhi wants to share the cookies equally with her seven friends. What information is needed to determine how

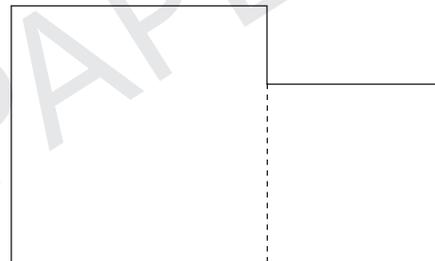
SECTION D: BRAINBOX

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



- a) 6
- b) 8
- c) 12
- d) 14

10. The given figure consists of two squares. The combined areas of the squares is 100 sq cm. What is the perimeter of the entire figure?



- a) 100 cm
- b) 82 cm
- c) 56 cm
- d) 44 cmt



ANSWERS

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