

# AOS

## ASIAN OLYMPIAD SOCIETY

# AMO

## ASIAN MATHEMATICS OLYMPIAD 2020-2021

CLASS

5

### INSTRUCTIONS AND INFORMATION FOR THE CANDIDATE

#### GENERAL

1. Do not open the booklet until told to do so by your teacher.
2. No calculators maths stencils, mobile phones or other calculating devices are permitted. Scribbling paper, graph paper, ruler and compasses are permitted, but are not essential.
3. Read the instructions on the answer sheet carefully. Ensure your name, school name and class are entered. It is your responsibility to correctly code your answer sheet.

#### THE ANSWER SHEET

1. Use an HB pencil or a Blue/Black ball point pen only to record your choice of answer in the Answer sheet.
2. Your answer sheet will be scanned. The optical scanner will attempt to read all markings even if they are in the wrong places, so please be careful not to write anything extra on the answer sheet.
3. If you want to change an answer or remove any marks, use a plastic eraser and be sure to remove all marks and smudges.
4. Fill your enrollment number clearly, improper enrollment number may lead to unavailability of result.
5. Please fill your Mobile Number clearly on the Answer Sheet, we will share your marks / result and other information related to AOS exams on your mobile number.
6. All questions are compulsory and there is no negative marking.
7. Return the ANSWER SHEET to the invigilator at the end of the exam.

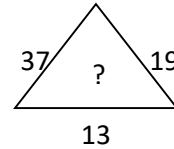
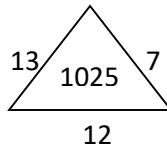
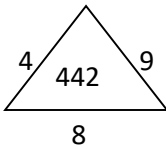
#### INTEGRITY OF THE COMPETITION

The AOS reserves the right to re-examine students before deciding whether to grant official status to their score.

ENROLLMENT NUMBER : \_\_\_\_\_ CLASS : \_\_\_\_\_

STUDENT NAME : \_\_\_\_\_ Contact No : \_\_\_\_\_

1. Replace the question mark (?) with the correct option.

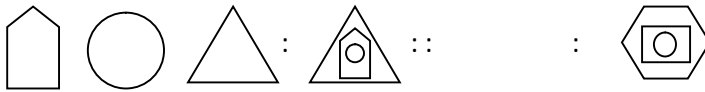


- a) 4700                      b) 4762                      c) 4719                      d) 4862

2. The diagonals are equal in a \_\_\_\_\_

- a) Parallelogram              b) Rhombus                      c) square                      d) quadrilaterals

3. Find the missing figure in the given pattern.



- a)      b)      c)      d)

4. Every \_\_\_\_\_ number is smaller than 0.

- a) Positive                      b) natural                      c) negative                      d) whole

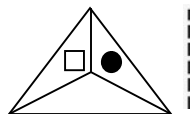
5. The sum of ages of four children born at intervals of 2 years each is 48 years. What is the age of the eldest child?

- a) 10 years                      b) 15 years                      c) 20 years                      d) 25 years

6. A parallelogram is a rectangle if its \_\_\_\_\_ are equal.

- a) Sides                      b) angles                      c) diagonals                      d) none of these

7. Find the mirror image.

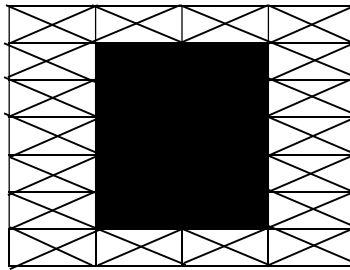


- a)      b)      c)      d)

8. In a certain code 'OLYMPIC' is coded as '3678925' and 'OLIVES' is coded as '362410'; then what is the code of 'SIMPLY' in the same code?

- a) 820697                      b) 028697                      c) 028967                      d) 280697

9. Some portion on a triangular grid paper is shaded. How many triangles are shaded ?



- a) 30                      b) 40                      c) 45                      d) 50
10. Where is 0.7 on this number line?
- 
11. What will be the least number which when doubled will be exactly divisible by 12, 18, 21 and 30?
- a) 260                      b) 430                      c) 630                      d) 865
12. The sum of  $x$  and  $x+3$  is 15. Find the value of  $x$ .
- a) 5                      b) 6                      c) 7                      d) 8
13. If  $x = 32.6$  and  $y = 11.4$ , then find  $\frac{x+y}{2}$ .
- a) 11.65                      b) 21                      c) 22                      d) 16.51
14. Sum of two fractions is  $\frac{3}{5}$  less than  $\frac{5}{2}$ . If one of the fraction is  $\frac{1}{3}$ , then find the other fraction.
- a)  $\frac{47}{10}$                       b)  $\frac{30}{47}$                       c)  $\frac{47}{30}$                       d)  $\frac{10}{47}$
15. One – fourth of HCF of the 9<sup>th</sup> multiple of 12 and 12<sup>th</sup> multiple of 6 is:
- a) 12                      b) 3                      c) 6                      d) 9

Answer key

1 - b	2 - c	3 - b	4 - c	5 - b	6 - c	7 - b	8 - c	9 - b	10 - c	11 - c	12 - b	13 - c	14 - c	15 - d
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