

**International Foundation Mathematics Olympiad (IFMO)
CLASS 6
WORKSHEET – 2**

SECTION-A (Logical Reasoning)

1. Study the pattern and find the missing number.



- a) 1594 c) 1764
b) 1664 d) 1784
2. In the given question there is a certain relationship between two given words on one side of :: and one word is given on the other side of :: . Find out the word from the given alternatives, having the same relation with this word as the words of the given pair.

Tree: Forest :: Grass: _____

- a) Lawn c) park
b) Garden d) Field
3. In the given question there is a certain relationship between two given numbers on one side of :: and one number is given on the other side of :: Find out the number from the given alternatives, having the same relation with this number as the numbers of the given pair.

4 : 19 :: 7: _____

- a) 52 c) 28
b) 49 d) 68

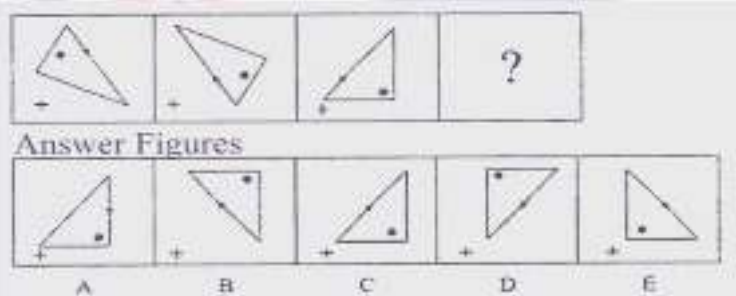
4. In each of the following question, the first two words have definite relationship. Choose one word out of the given four alternatives which will show the same relationship with the third word as between the first two

Secretly is to openly as silently is to

- a) Scarcely
- b) impolitely
- c) Noisily
- d) quietly

5 In each of the following questions, two sets of figures are given. The first two problem figures bear a certain relationship. Based on the same relationship (analogy), select from answer figures an appropriate figure to replace the question mark in problem figures.

problem Figures



- a) A
- b) B
- c) C
- d) D
- e) E

6. Complete the series

3, 4, 10, 33, 136, ?

- a) 682
- b) 684
- c) 685
- d) 687

7. Complete the series

1326, 2436, 3546, 4656, ?

- a) 5760
- b) 5766
- c) 5667
- d) 5768
- e)

8. Choose the odd one out

- a) Cap
- b) Helmet
- c) Veil
- d) Hat

9. If ENGLAND is written as 1234526 and FRANCE is written as 785291. How is GREECE coded?
- a) 835545
b) 381191
c) 832252
d) 381171
10. In the following question find out which of the letter series follows the given rule:
Number of letters skipped in between adjacent letters in the series is in the order of 2, 5, 7, 10
- a) QTZHS
b) SYBEP
c) FNKOT
d) CEGLT

SECTION-B (Day to Day Mathematics)

11. Find the largest number that will divide 76, 113, and 186 leaving remainder 4, 5, 6, respectively.
- a) 24
b) 12
c) 36
d) 54
12. What is the difference between the number 768 and that obtained on reversing its digits?
- a) 97
b) 98
c) 99
d) 109
13. Subtract -2473 from the difference of 5396 and 7896.
- a) 27
b) 4773
c) 4973
d) 4873
14. The distance between Suman's house and office is 17km. She covers 9km 65m by scooter 4 km 75m by bus and rest on foot. How much distance she cover by walking?
- a) 3 km 960 m
b) 2 km 860 m
c) 4 km 860 m
d) 3 km 860 m
15. Free notebooks were distributed equally among children of a class. The number of notebooks each child got was one-eighth of the number of children. Had the number of children been half, each child would have got 16

- notebooks. Total how many notebooks were distributed?
- a) 256
 - b) 432
 - c) 512
 - d) 640
16. If 36 men can finish a piece of work in 36 days. How many men will be required to finish it in 24 days?
- a) 36
 - b) 52
 - c) 54
 - d) 56
17. The cost of 2 kg of apples is Rs. 120. How many kilograms of apples can be purchased for Rs. 720?
- a) 8 kg
 - b) 10 kg
 - c) 12 kg
 - d) 14 kg
18. By how much is $2x - 3y + 4z$ greater than $2x + 5y - 6z + 2$?
- a) $8y - 10z + 2$
 - b) $-8y + 10z - 2$
 - c) $8y - 10z - 2$
 - d) $-8y + 10z + 2$
19. What is the perimeter of regular hexagon having each side 6.5 cm?
- a) 39 cm
 - b) 38 cm
 - c) 42 cm
 - d) 46 cm
20. Five flower beds each of side 3 cm are dug on a piece of land 17m long and 5 m wide. What is the area of remaining part of the land?
- a) 35 cm^2
 - b) 40 cm^2
 - c) 25 cm^2
 - d) 30 cm^2
21. How many rays can be drawn with a given point as the initial point?
- a) One
 - b) Two
 - c) Four
 - d) An unlimited number
22. How many parts does a triangle have?
- a) 2
 - b) 3
 - c) 6
 - d) 9
23. One of the acute angle of a right traingle is 55 degree. What is the other acute angle?
- a) 45°
 - b) 35°
 - c) 25°
 - d) 55°

24. A brick is an example of

- a) Cube
- b) Prism
- c) Cylinder
- d) Cuboid

25. Raman is 7 ranks ahead of Suman in a class of 39. If Suman's rank is seventeenth from the last. What is Raman's rank from the start?

- a) 14th
- b) 15th
- c) 16th
- d) 17th

ANSWER IFMO CLASS 6 – WORKSHEET - 2

1	B	2	A	3	A	4	C	5	D	6	C	7	B	8	C	9	B	10	A
11	C	12	C	13	C	14	D	15	C	16	C	17	C	18	D	19	A	20	B
21	D	22	C	23	B	24	D	25	C										