

International Foundation Mathematics Olympiad (IFMO)
CLASS 3
WORKSHEET – 3

SECTION-A (Logical Reasoning)

1. Write the numbers to complete the following table:

IN	28	27	26	25	18	17
OUT	23	22	21			

- A. 10, 8, 6 B. 4, 6, 8 C. 6, 10, 14 D. 20, 13, 12

2. Find the missing number in the pattern given below:

2 4 6 8 ? 12

- A. 9 B. 10 C. 11 D. 7

3. Find the next pair of letters in the following series:

FA GB HC ID JE ?

- A. GL B. KF C. KG D. LH

4. Find the next letter in the series given below.

AV BW CX DY ?

- A. DU B. EZ C. FA D. FZ

5. Find the missing letters in the following series:

BA ? AB

- A. C B. P C. T D. M

6. In the question below the letters are linked in some way. Identify the relation and complete the second pair.

BC : DE KL : MN PQ : RS NO : ?

- A. QR B. PQ C. RS D. PS

7. In the following question, the two words in first pair are related. Identify the word that completes the second pair in the most sensible way.

PAGE is to book as WORD is to?

- A. Letter B. Write C. Sentence D. Read

8. If in a certain code, SWITCH is written as TVJSDG, Which word would be written as CQFZE?

- A. BARED B. BRAED C. BREAD D. BRADE

9. Choose the alternative which is closely resembles the water-image of the given combination.

wrote

(1) w101e

(2) M101e

(3) M101e

(4) M101e

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

10. In a certain code 'SHIMLA" is written as "RGHLKZ, how will PATNA be coded then?

- A. OZTMZ B. OZSZM C. QBUMB D. OZTZM

SECTION-B (Day to Day Mathematics)

11. Which options complete the pattern?

$4 + 5 = \underline{\hspace{2cm}}$

$40 + 50 = \underline{\hspace{2cm}}$

$400 + 500 = \underline{\hspace{2cm}}$

- A. 9, 90, 900 B. 9, 99,990
C. 9, 90, 990 D. 9, 99, 900

12. State whether the following statements are true or false

- A. $6896 + 3583 = 10478$
- B. If we add $333 + 4444$ we will get 5777
- C. If we add 5432 and 1234 we will get 5555
- D. $2222 + 1357 = 3579$

- A. TTFF
- B. FTFT
- C. FFTT
- D. TFTF

13. A book shop sold 50 books on Tuesday. It was 20 more than the number of book sold on Monday. How many were sold on Monday?

- A. 45 books
- B. 30 books
- C. 65 books
- D. 55 books

14. Which one of the following statement is incorrect?

- Statement A : 12 pairs of socks are 24 socks.
- Statement B : 5 rainbows have 35 colors.
- Statement C : 8 dice have 45 faces.
- Statement D : 4 Tic-tac-toe games have 36 boxes.

- A. C
- B. D
- C. A
- D. B

15. Madhu bought 27 roses and planted them evenly in 3 rows. How many rose bushes are in each row?

- A. 9
- B. 8
- C. 27
- D. 3

16. The limit of baggage that each person can bring in the Aeroplane is 22 kg. Golu's baggage weighs 26000 gm. How much over the limits is Golu's baggage?

- A. 3 kg
- B. 4 kg
- C. 5 kg
- D. 6 kg

17. A tube of Colgate toothpaste weighed 180 gm. Nitin's mother bought seven tubes. How many kilograms did the tubes of Colgate toothpaste weighed in total?

- A. 1 kg 240 gm
- B. 1 kg 250 gm
- C. 1 kg 260 gm
- D. 1 kg 270 gm

18. What is the ideal lunch time?

- A. 2:00 pm
- C. 8:00 am

- B. 5:00 pm
- D. 8:00 pm

19. Which month of the year has the least number of days?

- A. January
- C. May

- B. July
- D. February

20. Fill in the blanks in question to get the resultant money.

$$\text{Rs } 15 + \text{Rs } 25 + \underline{\quad} = \text{Rs } 100\text{p}$$

A. Rs 60

B. Rs 70

C. Rs 80

D. Rs 50

21. My shape is used for many things, like sings, gift boxes and windows. All my four sides are the same. What am I?

A. rectangle

B. circle

C. square

D. triangle

22. A few girls are standing in a row. Kavya is in the middle, Sanya, Sidhi and Ananya are standing on the right of Kavya. There are equal number of girls standing on the left side and right of Kavya. How many girls are there in the row?

A. 4

B. 5

C. 6

D. 7

23. If Latilka takes a leave on 17 July and comes only on odd number of days in July. Then how many days she does not work? (Assume that Sunday is holiday)

A. 17

B. 18

C. 16

D. 13

24. Dadi bought 25 packets of balloons. Each packet has 4 balloons. Identify the number sentence that can be used to find the number of balloons Dadi bought.

A. 25×4

B. $25 \div 4$

C. $25 - 4$

D. $4 - 25$

25. A Jug of capacity 2 liters can be half filled by pouring 5 full mugs of water into it.

How much water does the mug hold when it is full?

- A. 500 ml
- C. 250 ml

- B. 400 ml
- D. 200 ml



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