

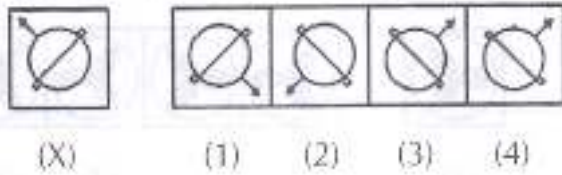
**International Foundation Mathematics Olympiad(IFMO)**  
**CLASS 4**  
**WORKSHEET – 2**

**SECTION-A ( Logical Reasoning )**

1. Identify the one which is different from the others.
  - a) Book
  - b) Pencil
  - c) Paper
  - d) Maths
  
2. In the following question which alternative will replace the question mark.  
FH is to DF as UV is to?
  - a) ST
  - b) TX
  - c) RX
  - d) TW
  
3. Find the next letter in the series.  
W V T Q M ?
  - a) I
  - b) H
  - c) G
  - d) K
  
4. If the 30<sup>th</sup> January 2003 was Thursday, what was the day on 2<sup>nd</sup> march, 2003?
  - a) Sunday
  - b) Thursday
  - c) Tuesday
  - d) Saturday
  
5. K is 40 m South-West of L. If M is 40 m South-East of L, then M is in which direction of K?
  - a) East
  - b) West
  - c) North-East

d) South

6. Choose the correct mirror image of the given figure (X) from amongst the four alternatives.



- a) 1  
b) 2  
c) 3  
d) 4
7. Which group of letters, in its number position is at interval of 6?  
a) GMSX  
b) IOTZ  
c) FLRX  
d) GKQR
8. Find the letter which will end the first word and start the second word.  
BOT?URT  
a) L  
b) O  
c) H  
d) P
9. In the following question which alternative will replace the question mark.  
3 is to 12 as 12 is to?  
a) 24  
b) 48  
c) 36  
d) 25
10. If MEGHA is coded as NFHIB and PEARL is coded as QFBSM, then Identify the code for BHOOMI.  
a) CIPQNI  
b) CINPPJ  
c) CIPPNJ  
d) ICPPNJ

## SECTION-B ( Day to Day Mathematics )

11. Lakhs period includes:
- Thousand
  - Lakh
  - Tens
  - Ones
12.  $DCCCLIX + XXVII + DCCCXLII =$
- MDCCXXVI
  - MDCCXXVIII
  - MDCXXVII
  - MDCCXXVII
13. On adding two numbers, the result obtained is called \_\_\_\_\_
- Sum
  - difference
  - addend
  - minuend
14. Find the Minuend:  
 $? - 5 = 45$
- 50
  - 40
  - 15
  - 100
15. If any number is divided by \_\_\_\_\_, the answer is the number itself?
- Zero
  - One
  - Two
  - Itself
16. Shraddha wants to buy flowers for her friends. She can buy roses in bunch of 7 flowers and carnations in bunch of 10 flowers. She wants to buy the same number of roses and carnations. What is the minimum number of flowers Shraddha will need to buy?
- 70
  - 140

c) 130

d) 80

17. Evaluate the following questions :

$$\left[\frac{3}{8}\right] / \left[\frac{5}{12}\right]$$

a) 1 (1/9)

b) 5/32

c) 4/5

d) 9/10

18. Rohan bought a 50 litres container of oil. he used 44 litres 300 ml of it. How much oil is left?

a) 5 l 700 ml

b) 6 l 700 ml

c) 5 l 300 ml

d) 6 l 300 ml

19. A carpenter was putting up a shelf. Shelf needed to be 86 cm long but piece of wood he had was 1 m and 26 cm long. His saw was 33 cm long. How much did he have to cut off the piece of wood to make it fit?

a) 40 cm

b) 43 cm

c) 50 cm

d) 53 cm

20. The Khurana family is going to see a movie at 5:50 pm. It is 11:20 am right now. How long do they have to wait to see the movie?

a) 5 hours 20 min

b) 6 and a half hours

c) 6 hours

d) 6 hours 20 minutes

**(Directions for Q 21 to Q 25)**

The table given below shows the number of people watching at various football grounds. Round each number to the nearest thousand and put the answers in the right column. Then answer the questions.

| Team       | Attendance | Rounding |
|------------|------------|----------|
| Aryans     | 2876       |          |
| Bachelors  | 6453       |          |
| Daredevils | 3386       |          |
| Royals     | 4691       |          |
| Panthers   | 9304       |          |
| Tigers     | 5771       |          |
| Shera      | 6852       |          |

21. Which team was watched by most people?
- bachelors
  - Tigers
  - Shera
  - Panthers
22. Which team was watched by least people?
- Bachelors
  - Aryans
  - Tigers
  - Royals
23. Find the odd one out.
- Tigers
  - Aryans
  - Cow
  - Panthers
24. How many less people watched panthers than Aryans (use rounding)?
- 4000
  - 5000
  - 6000
  - 7000
25. How many less people watched Daredevils than Shera (use rounding)?
- 4000
  - 5000
  - 6000

d) 7000

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

