

# International Foundation Mathematics Olympiad (IFMO) CLASS 5 WORKSHEET – 3

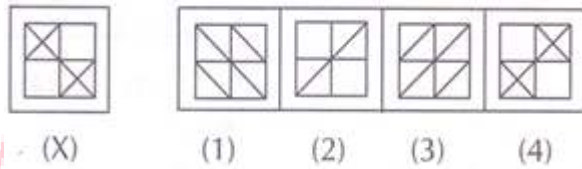
## SECTION-A ( Logical Reasoning )

- Find the missing element:  
J2Z, K4X, 17V, ?, H16R, M22P  
a) L11S  
b) L12T  
c) L11T  
d) L12S
- Resign is related to Politician in the same way as Abdicate is related to  
a) Prince  
b) King  
c) Realm  
d) Throne
- Find the odd – one out  
a) Conscience  
b) Morality  
c) Conduct  
d) Weight
- In a certain code, FAVOUR is written as EBUPTS. How is DANGER written in that code?  
a) CBFFDS  
b) CBMHDS  
c) EBFHDS  
d) EBHHFS
- If man is called girl, girl is called woman, woman is called boy, boy is called butler and butler is called rogue, who will serve in a restaurant?  
a) Butler  
b) Girl  
c) Man  
d) Woman  
e) Rogue
- Arrange the given words in Alphabetical Order and choose the one that comes at the second place.  
a) Heredity  
b) Hesitate  
c) Heavy  
d) Hedge  
e) Herald
- I am facing South; I turn right and walk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20m. Then I

turn right again and walk 60 m. In which direction am I from the starting point?

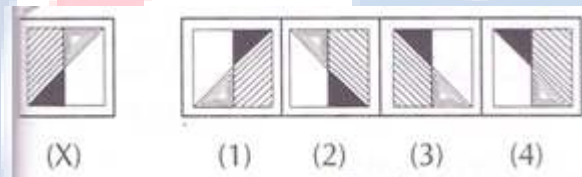
- a) North
- b) North-west
- c) East
- d) North-east

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



- a) 1
- b) 2
- c) 3
- d) 4

9. In the following question, a figure marked (X) is followed by four figures (1), (2), (3) and (4) which show the possible water images of figure (X). Choose one out of these four figures which shows the correct water image of the figure (X).



- a) 1
- b) 2
- c) 3
- d) 4

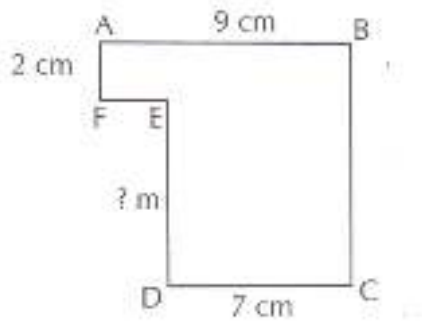
10. If in a certain code, TWENTY is written as 863985 and ELEVEN is written as 323039, how is TWELVE written in that code?

- a) 863203
- b) 863584
- c) 863903
- d) 863063

## SECTION-B ( Day to Day Mathematics )

11. The place value of 5 in 780756 is
- a) Five one
  - b) Five tens
  - c) 5 tenths
  - d) Five hundreds
12. The Roman numeral 'CIV' is equal to:
- a) 108
  - b) 44
  - c) 104
  - d) 134

13. Find the dividend when the divisor = 241, quotient = 135 and the remainder = 30.
- a) 32563  
b) 32565  
c) 32165  
d) 32265
14. Evaluate  $2 + 4 \times 6 - 2^3 \div 4$ .
- a) 7  
b) 0  
c) 24  
d) 34
15. Which of the following numbers has a 4 in the hundredths place?
- a) 413.26  
b) 0.5649  
c) 765.407  
d) 87.349
16. The greatest number of four digits which is divisible by 15, 25, 40 and 75 is:
- a) 9000  
b) 9400  
c) 9600  
d) 9800
17. 7:42 is equivalent ratio of.
- a) 7 : 6  
b) 6 : 1  
c) 1 : 6  
d) 6 : 7
18. Add the following capacities  
25 L 850 mL and 19 L 390 mL
- a) 45 L 240 mL  
b) 46 L 245 mL  
c) 40 L 240 mL  
d) 45 L 290 mL
19. The number of seconds in 7 minutes is
- a) 400 sec  
b) 320 sec  
c) 420 sec  
d) 460 sec
20. The lowest temperature ever recorded on Earth was  $-89.2^{\circ}\text{C}$ , recorded in Antarctica in 1983. How many degrees Fahrenheit was that, to the nearest degree?
- a)  $-67^{\circ}\text{F}$   
b)  $-82^{\circ}\text{F}$   
c)  $-129^{\circ}\text{F}$   
d)  $-193^{\circ}\text{F}$
21. The perimeter of the figure shown below is 36m. What is the length of DE?

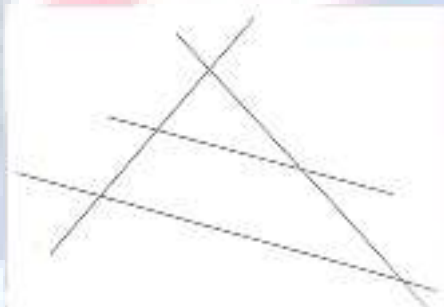


- a) 7 m
- b) 9 m
- c) 16 m
- d) 18 m

22. There are about 20 times as many species of ants as there are species of bats. Let  $b$  represents the number of species of bats, Which expression represents the number of species of ants?

- a)  $b + 20$
- b)  $b, 20$
- c)  $20 \times b$
- d) 20 divide  $b$

23. How many acute angles are there in the diagram?



- a) 5
- b) 8
- c) 9
- d) 10

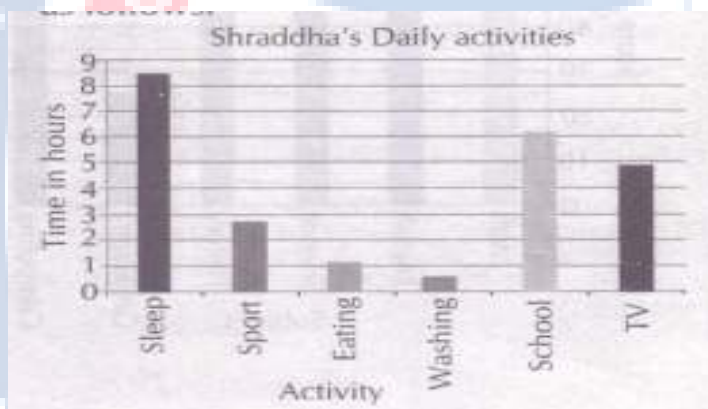
24. 60 students gave a test. The frequency distribution is shown in the following table. How many students scored greater than or equal to 4, but less than or equal to 7?

Mark	Frequency
0	1
1	3
2	6
3	9
4	8

- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 8
- 7
- 4
- 1
- 2

- a) 19
- b) 26
- c) 27
- d) 34

25. Shraddha recorded the amount of time she spent on six activities over a twenty four hour period and drew a bar graph, as follows.



Approximately how many more hours did she spend sleeping than watching TV?

- a) About 3½ hours longer
- b) About 4 hours longer
- c) About 4½ hours longer
- d) About 5 hours longer

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

