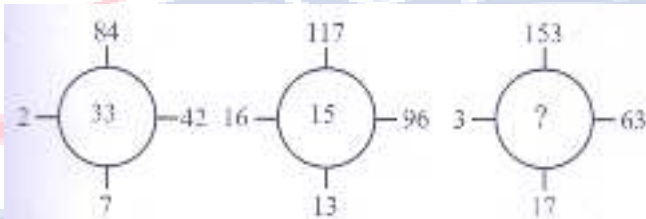


**International Foundation Mathematics Olympiad(IFMO)
CLASS 7
WORKSHEET – 3**

SECTION-A (Logical Reasoning)

1. Choose the appropriate number which follow the given pattern.



- a) 28
b) 30
c) 31
d) 32
2. U32, V29, _____, X23, Y20
a) W26
b) W17
c) Z17
d) Z26
3. In each of the following letter series, some of the letters are missing, which are given in such order as one of the alternatives below it. Choose the correct alternative.
bca _ b _ aabc _ a _ caa
a) acab
b) bcbb
c) cbab
d) ccab
4. CMM, EOO, GQQ, _____ KUU
a) GRR
b) GSS
c) ISS
d) ITT
5. Choose the word which is different from the rest.
a) Wheat
b) Paddy
c) Jowar
d) Mustard
6. If in a certain language SHIFT is coded as RFFBO, which word would be coded as LKUMB?
a) KJTLA
b) MJVLC
c) MMXQG
d) MLVNC

7. Arrange the given words in alphabetical order and tick the one that comes last.

- | | |
|------------|-------------|
| a) Preview | c) Previous |
| b) Premium | d) Prevent |

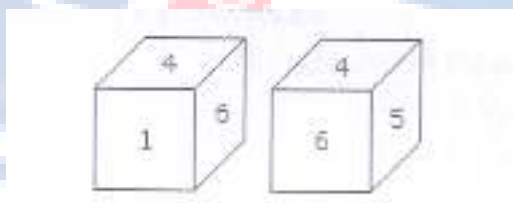
8. Introducing a woman, Nisha said, 'She is the daughter-in-law of the grandmother of my father's only son.' How is the woman related to Nisha?

- | | |
|------------------|-----------|
| a) Grandmother | c) Sister |
| b) Sister-in-law | d) Mother |

9. One morning after sunrise, Suresh was standing facing a pole. The shadow of the pole fell exactly to his right. To which direction was he facing?

- | | |
|----------|-----------------------|
| a) East | c) West |
| b) South | d) Data is inadequate |

10. Two positions of a dice are shown below, When number '1' is on the top. What number will be at the bottom?



- | | |
|------|------|
| a) 3 | c) 2 |
| b) 5 | d) 6 |

SECTION-B (Day to Day Mathematics)

11. The multiplicative inverse of $-\frac{2}{15}$ is added to the additive inverse of $-5\frac{1}{2}$. Find the sum.

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

12. The sum of two rational numbers is -7. If one of the numbers is $-\frac{15}{6}$, what is the other?

- | | |
|-------------------|-------------------|
| a) $\frac{9}{2}$ | c) $\frac{7}{2}$ |
| b) $-\frac{9}{2}$ | d) $-\frac{7}{2}$ |

13. If the sum of -1037 and 693 is subtracted from -45, then which value will be obtained?

- | | |
|--------|--------|
| a) 399 | c) 299 |
| b) 389 | d) 289 |

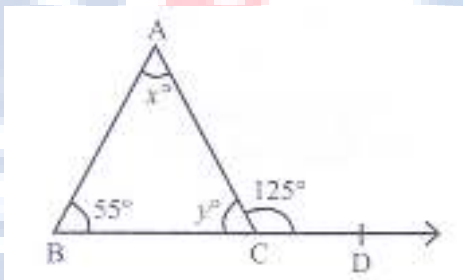
14. 1 metre of cloth costs Rs. 109-25. What is the cost of 19.5 metres of this cloth?
a) 2120.375 c) 2140.275
b) 2130.375 d) 2140.475
15. Two numbers are respectively 20% and 50% more than the third. What percent is the first of the second?

- a) 60% c) 75%
b) 82% d) 80%

16. $(0.04)^{-15} = ?$
a) 25 c) 250
b) 125 d) 625

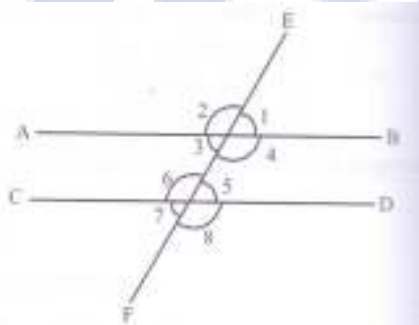
17. What is the mean of first seven prime numbers?
a) 7.285 c) 7.685
b) 8.285 d) 8.625

18. In the given figure, find the values of x and y.



- a) $x = 55^{\circ}, y = 70^{\circ}$ c) $x = 50^{\circ}, y = 70^{\circ}$
b) $x = 55^{\circ}, y = 55^{\circ}$ d) $x = 70^{\circ}, y = 55^{\circ}$

19. In the given figure AB || CD and EF is transversal. If $\angle 1$ and $\angle 2$ are in the ratio 5:7 what is the measure of $\angle 8$?



- a) 75° c) 85°
b) 105° d) 115°

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

