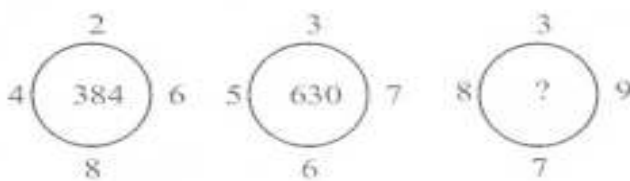


**International Foundation Mathematics Olympiad(IFMO)  
CLASS 6  
WORKSHEET – 5**

**SECTION-A ( Logical Reasoning )**

1. Study the pattern and find the missing number.



- a) 1512  
b) 1412  
c) 1212  
d) 1312
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.

**Peace: Chaos:: Creation: \_\_\_\_\_**

- a) Build  
b) Construction  
c) Destruction  
d) Manufacture
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.

**335: 216:: 987: \_\_\_\_\_**

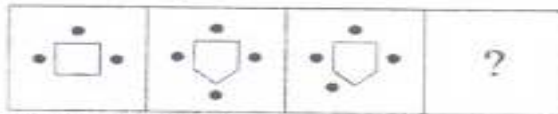
- a) 868  
b) 867  
c) 872  
d) 888

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

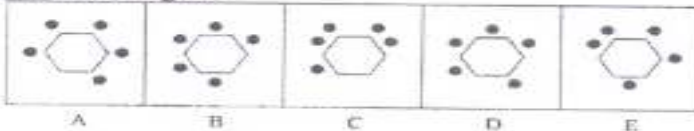
**Cup is to coffee as bowl is to**

- a) Dish  
b) Soup  
c) Spoon  
d) Food
5. Study the pattern and find the missing number.

Problem Figures



Answer Figures



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

6. Complete the series

**3, 8, 15, 24, 35, 48, \_\_\_\_\_**

- a) 61  
b) 62  
c) 63  
d) 64
7. Complete the series

**6, 12, 24, 48, 96, 192, \_\_\_\_\_**

- a) 384  
b) 386  
c) 388  
d) 392
8. Choose the odd one out
- a) Cool  
b) Warm  
c) Hot  
d) Humid

9. If CONCEPT is written as unmulqr and FRIEND is written as ysglmt, then how is PREDICT written in that code?
- a) qsltgur  
b) qgmnltr  
c) slmgtur  
d) usxgmnl
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 doubles every time.
- a) BDGLU  
b) EGJOF  
c) GJNSY  
d) ADIPY

## SECTION-B ( Day to Day Mathematics )

11. Which longest tape can be used to measure exactly the length 7m, 3m, 85cm and 12m 95 cm?
- a) 45 cm  
b) 35 cm  
c) 105 cm  
d) 70 cm
12. Which of the following is meaningful?
- a) XXXX  
b) XVV  
c) IC  
d) XCI
13. The sum of two integers is -307. If one of them is -173 what is the other?
- a) 134  
b) -134  
c) 144  
d) -144
14. Raman has ₹ 2000. He has invested ₹ 439.75 in school fees, ₹ 208.75 for auto fare ₹ 524.25 in books and rest for food. What is the cost of food?
- a) ₹ 817.25  
b) ₹ 837.25  
c) ₹ 827.25  
d) None of these
15. Eight people are planning to share equally the cost of a rental car. If one person withdraws from the arrangement and the others share equally the entire cost of the car, then the share of each of the remaining persons is increased by:
- a)  $\frac{1}{7}$   
b)  $\frac{1}{8}$   
c)  $\frac{1}{9}$   
d)  $\frac{7}{8}$



23 The angles of a quadrilateral are in the ratio 3 : 4 : 5 : 6. What is the largest angle?

- a)  $80^\circ$
- b)  $102^\circ$
- c)  $120^\circ$
- d)  $150^\circ$

24 The measure of a straight angle is

- a)  $60^\circ$
- b)  $90^\circ$
- c)  $180^\circ$
- d)  $360^\circ$

25 In an isosceles  $\triangle ABC$ , the bisectors of  $\angle B$  &  $\angle C$  meet at a point O. If  $\angle A=40^\circ$  then  $\angle BOC$ ?

- a)  $80^\circ$
- b)  $90^\circ$
- c)  $100^\circ$
- d)  $110^\circ$

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