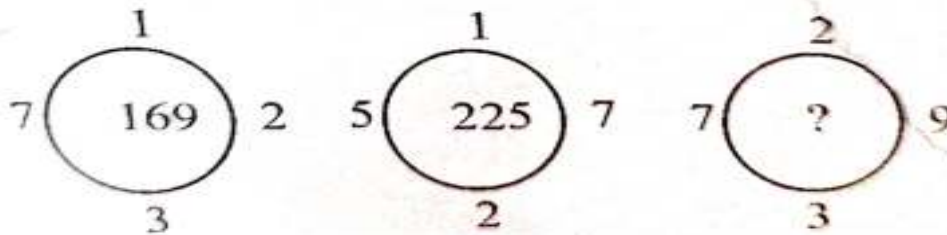


International Foundation Mathematics Olympiad(IFMO)
CLASS 6
WORKSHEET – 4

SECTION-A (Logical Reasoning)

1. Study the pattern and find the missing number.



- a) 361
b) 324
- c) 441
d) 484
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.

Ice : Coldness :: Earth : _____

- a) Weight
b) Jungle
- c) Gravity
d) Sea
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.

14 : 9 :: 26 : _____

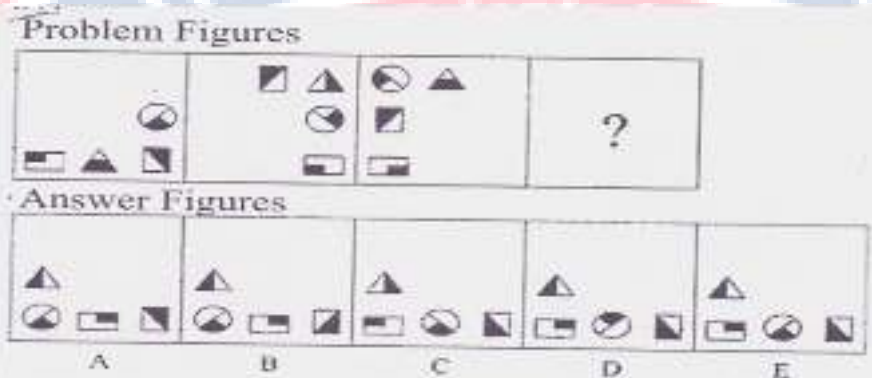
- a) 12
b) 13
- c) 31
d) 15
4. In each of the following question, the first two words have definite relationship. Choose one word out of the given four alternatives which will

show the same relationship with the third word as between the first two

Yard is to inch as quart is to

- a) Gallon
- b) Ounce
- c) Milk
- d) Liquid

5. The second figure in the first unit of problem figures bears a certain relationship to the first figure. Similarly one of the figures in the answer figures bears the same relationship to the first figure in the second unit of the problem figures. You are therefore to locate the figure which would fit the question mark.



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

6. Complete the series

598, 505, 412, 319, 226, _____

- a) 131
- b) 132
- c) 133
- d) 134

7. Complete the series

702, 773, 844, 915, 986, _____

- a) 1052
- b) 1053
- c) 1056
- d) 1057

8. Choose the odd one out

- a) Blood
- b) Bones
- c) Muscles
- d) Tendons

9. If DRIVER = 12, PEDESTRIAN = 20, ACCIDENT = 16, then CAR = ?

- a) 6
- b) 8
- c) 10
- d) 3

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 decreases by one each time.
- a) BHNSV
 - b) TZEIL
 - c) MSYBG
 - d) IMTXB

SECTION-B (Day to Day Mathematics)

11. Which greatest number of 4 digits is exactly divisible by 12, 16, 28 & 36?
- a) 6072
 - b) 8072
 - c) 8972
 - d) 9072
12. A number exceeds 3760924 by 39067. What is that number?
- a) 3799871
 - b) 3799891
 - c) 3799991
 - d) None of these
13. If -5 is added to 12 and result is subtracted from -7. Which number is obtained?
- a) -5
 - b) 0
 - c) 14
 - d) -14
14. Ritesh purchased a book worth ₹. 447.85 from a book seller and gave him a 1000 rupee note. How much balance did he get back?
- a) ₹ 552.25
 - b) ₹ 553.15
 - c) ₹ 552.15
 - d) ₹ 551.15
15. To fill a tank, 25 buckets of water are required. How many buckets of water will be required to fill the same tank if the capacity of the bucket is reduced to two-fifth of its present?
- a) 10
 - b) 35
 - c) 62.5
 - d) Cannot be determined
16. If 35 envelop costs ₹ 87.50 how many such envelops can we purchase for ₹315?
- a) 116
 - b) 126
 - c) 216
 - d) 136

17. The cost of two dozen oranges is ₹. 168. What will be the cost of 16 oranges?
- a) ₹ 96
b) ₹124
c) ₹102
d) ₹112
18. What is the value of x?
 $3(x + 6) + 2(x + 3) = 64$
- a) 8
b) 6
c) -8
d) 4
19. What is the diameter of the circle whose circumference is 66 cm?
- a) 18 cm
b) 21 cm
c) 23 cm
d) 28 cm
20. The diagonal of a square is $8\sqrt{2}$ cm what is its perimeter?
- a) 32 cm
b) 64 cm
c) 36 cm
d) 42 cm
21. Which of the following has no end points?
- a) A ray
b) A line
c) A line segment
d) An angle
22. Each angle of an equilateral triangle is
- a) 30°
b) 45°
c) 60°
d) 80°
23. A triangle having sides of different length is called
- a) A scalene triangle
b) A right triangle
c) An isosceles triangle
d) An equilateral triangle
24. A quadrilateral having two pairs of equal adjacent sides but unequal opposite sides is
- a) Square
b) Rectangle
c) Kite
d) Trapezium
25. The angles of a quadrilateral are 3:4:5:6. What is the difference of largest and smallest angle of quadrilateral?
- a) 20°
b) 30°
c) 40°
d) 60°

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

