



**RAMAGYA SCHOOL, NOIDA**  
V/MATHEMATICS/2017-18  
OLYMPIAD PRACTICE WORKSHEET

**CONCEPT BASED**

- 1) Which of the following is the largest number?  
a) 511 tens                                      c) 51 hundred  
b) 5 thousand                                    d) two times of 2111
- 2) Which of the following is the common multiple of 8 and 7?  
a) 15    c) 65  
b) 61    d) 56
- 3) What least number should be added to  $23^{\text{rd}}$  multiple of 3 so that it becomes the multiple of 2?  
a) 1     c) 2  
b) 6     d) 8
- 4) If  $X = 97$  and  $Y = 30$ , then find the value of  $2(X + Y)$   
a) 254    c) 370  
b) 376    d) 387
- 5) How many right angles are there in a rectangle?  
a) 1     c) 3  
b) 2     d) 4
- 6) If Quotient = 45, Divisor = 12 and the Remainder = 10, then find the dividend.  
a) 450    c) 550  
b) 540    d) 370

**APPLICATIONS BASED**

- 7) Trishi went to office at 14:30 hours. She completed 6 hours 30 minutes of her duty. At what time did her duty get over?  
a) 22:30 hours                                    c) 21:00 hours  
b) 19:00 hours                                    d) 21:30 hours
- 8) A rectangular playground is 146 m long and 84 m wide. If Raj walks around it 4 times, then find the distance covered by him.  
a) 1 km 840 m                                    c) 2 km 120 m  
b) 1 km 280 m                                    d) 2 km 40 m
- 9) The length and width of a rectangle are 9m and 4m. Find the side of the square with same area as that of the rectangle.  
a) 6m    c) 7m  
b) 5m    d) 4m
- 10) Perimeter of a square is 60 cm. Find the area of the square.  
a) 335 sq.cm                                     c) 285 sq.cm  
b) 325 sq.cm                                     d) 225 sq.cm

11) What least number should be subtracted from 297 such that the resulting number becomes divisible by 8?

- a) 2
- b) 1
- c) 3
- d) 5

**LOGICAL BASED**

12) Arrange the given words in a meaningful logical order and then select the appropriate sequence from the given options.

1. Consultation    2. Treatment    3. Illness    4. Recovery    5. Doctor

- a) 2, 5, 1, 3, 4
- b) 3, 5, 1, 2, 4
- c) 3, 5, 2, 1, 4
- d) 2, 1, 4, 5, 3

13) If the 4th day of a month is Monday, what will be the 21st day of the month?

- a) Thursday
- b) Friday
- c) Wednesday
- d) Tuesday

14) Which of the following options will continue the given number series?

24550, 24675, 24750, 24875, 24950, \_\_\_\_\_.

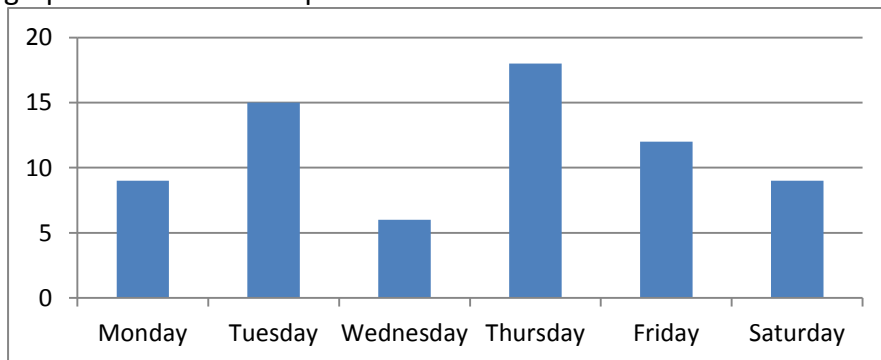
- a) 25025
- b) 25175
- c) 25100
- d) 25075

15) Chinki can cycle from point A to point B return to point A in 10 minutes. She can cycle there and walk back in 20 minutes. It will take \_\_\_\_\_ minutes for her to walk there and walk back.

- a) 10
- b) 20
- c) 30
- d) 40

**HOTS**

**Direction (16-18):** The given bar graph shows the number of residents at 6 places. Study the graph and answer the questions.



16) Which one of the following days had highest temperature?

- a) Monday
- b) Thursday
- c) Tuesday
- d) Friday

17) How much temperature was reduced on Friday in comparison of Thursday?

- a) 3°C
- b) 9°C
- c) 6°C
- d) 12°C

18) If the temperature on Monday was  $15^{\circ}\text{C}$ , by what cm length of the bar of Monday would had been increased?

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

19) The table shows the number of pupils in five primary classes. Each pupil donated ₹ 10 to the foundation for the elderly. How much did they donate altogether?

| Class            | 4A | 4B | 4C | 4D | 4E |
|------------------|----|----|----|----|----|
| Number of Pupils | 38 | 40 | 39 | 37 | 38 |

- a) ₹ 1920                                      c) ₹ 1902  
b) ₹ 192                                        d) ₹ 768

20) Which of the following options is INCORRECT?

- a) In number 16389425, the digit 3 stands for 3 hundred thousand.  
b) Smallest 6-digit number that can be formed using 9,2,6,0,3,1 (using each digit only once) is 102369.  
c)  $18 - 6 \times 2 + 21 \div 3 - 3$  is equal to 10.  
d)  $\text{LXXXII} - \text{DCXX} + \text{CMLXV} = \text{CDXX}$