



RAMAGYA SCHOOL, NOIDA
VIII /CYBER/2018-19
OLYMPIAD PRACTICE WORKSHEET

1. A girl was given two candles by her father for her birthday and was told that one candle would burn for six hours and the other, four hours. After they were both lit and allowed to burn for sometime, the girl noticed that one candle was twice as long as the other. State for how long the candles had been burning together?

- (A) 2 hours (B) 3 hours
(C) 4 hours (D) 5 hours.

2. In which of the following quadrilaterals, the diagonals must be equal?

- (A) Parallelogram (B) Trapezium
(C) Rhombus (D) Square.

3. Find the odd one out

- (A) Newspaper : Editor (B) Film : Director
(C) Stamps : Philatelist (D) Book : Author

4. A family consists of six members P, Q, R, X, Y and Z. Q is the son of R but R is not mother of Q. P and R are a married couple. Y is the brother of R. X is the daughter of P. Z is the brother of P. How many children does P have?

- (A) 4 (B) 1
(C) 2 (D) 3

5. To reduce a rational number in its standard form, we divide its numerator and denominator by their _____

- (A) L.C.M (B) H.C.F
(C) Product (D) Multiple

6. A student was asked to divide a number by 6 and add 12 to the quotient. He, however, first added 12 to the number and then divided it by 6, getting 112 as the answer. The correct answer should have been _____.

- (A) 122 (B) 114
(C) 118 (D) 124

7. Odometer is to mileage as compass is to _____

- (A) speed (B) hiking
(C) needle (D) direction

8. Get odd man out:

- (A) Parsely (B) Basil
(C) dill (D) Mayonnaise

9. Mr. Khanna took a loan of Rs. 10,000 on simple interest for two years at rate 3% p.a. The total amount that he will be paying as interest in 2 years is 3% of his monthly salary. What is his monthly salary?

- (A) Rs 30,000 (B) Rs 16,000
(C) Rs 12,000 (D) Rs 20,000

10. How many meaningful English words can be formed with letters ADIC using each letter only once in each word?

- (A) none (B) one
(C) two (D) More than three

11. The Java interpreter is used for the execution of the source code.

- (A) True (B) False

12. On successful compilation a file with the class extension is created.
(A) True (B) False
13. The Java source code can be created in a Notepad editor.
(A) True (B) False
- 14 The Java Program is enclosed in a class definition.
(A) True (B) False
15. In order for a source code file, containing the public class Test, to successfully compile, which of the following must be true?
(A) It must have a package statement
(B) It must be named Test.java
(C) It must import java.lang
(D) It must declare a public class named Test
16. Java supports multidimensional arrays.
(A) True (B) False
17. Strings are instances of the class String.
(A) True (B) False
18. When a string literal is used in the program, Java automatically creates instances of the string class.
(A) True (B) False
19. Which of the following declare an array of string objects?
(A) String[] s;
(B) String []s:
(C) String[s]:
(D) String s[]:
20. What is the value of a[3] as the result of the following array declaration?
(A) 1 (B) 2
(C) 3 (D) 4