RAMAGYA SCHOOL, NOIDA
IX/CYBER/2017-18
OLYMPIAD PRACTICE WORKSHEET

MENTAL ABILITY

1. Laura has 9 bags of beads. Some of the bags contain 3 red beads and the rest contain 7 yellow beads. If Laura has 43 beads in all, how many bags of each colour bead does Laura have?

☐ bags of red beads

☐ bags of yellow beads

2. A builder has some red and grey bricks. The red bricks weigh 9 kilograms each, and the grey bricks weigh 2 kilograms each. If the total weight of all 7 bricks is 42 kilograms, how many of each type of brick does Haley have?

☐ red bricks

☐ grey bricks

3. 6 of the people in Ernesto's neighbourhood like to play sports. 7 people like to listen to music, and 4 people like to both play sports and listen to music. How many people like to listen to music but not play sports?
a. 3
b. 5
c. 6
d. 4

4. Of the people in Jeff's family, 8 like to eat potatoes and 10 like to eat corn. 5 people like to eat both potatoes and corn. How many people like to eat potatoes or corn or both?
a. 13
b. 15
c. 16
d. 14

5. Chad swam more laps than Rafi but fewer laps than Andy. Who swam the most laps?
a. Andy
b. Chad
c. Rafi

6. The French club has fewer members than the Japanese club but more members than the maths club. Which club has the fewest members?
a. the French club
b. the Japanese club
c. the maths club

COMPUTERS & INFORMATION TECHNOLOGY

1. _____ Computers would be found in dishwashers, washing machines, TVs etc.
2. Unprocessed raw facts and figures are _____
3. Processed data i.e. meaningful data is called _____
4. _____ are the physical part of a computer.
5. _____ refers to the instructions that tell a computer what to do.
6. A computer takes an _____ , carries out a _____ upon it, and produces an _____.

7. _____ is the storage of computer, which holds the data during processing.

8. Manufacturing with computers and robotics is called _____
9. Five main strengths of computers are _____, _____, _____, _____ and _____
10. Weaknesses of computers are _____, _____ and _____
11. Banks would use _____ type of computers to process records overnight.
12. A business man would like to use _____ type of computer during a journey.
13. _____ type of computers are mainly used by sales person, teachers, secretaries etc.
14. _____ computers are found in scientific, industrial and business environments.
15. _____ process complex and time-consuming calculations such as weather predictions.
16. Four fundamental components of computer are _____, _____, _____ and _____