RAMAGYA SCHOOL, NOIDA

IV/MATHEMATICS /2017-18
OLYMPIAD PRACTICEWORKSHEET

CONCEPT BASED QUESTIONS

1) Instrument used to measure the temperature is:
a) protractor   c) thermometer
b) stethoscope   d) none of these

2)A car runs 285km on 15 litres of petrol.how many kilometres can it run on 22 litres of petrol?
a)307 km   c) 322km
b) 481km   d) 418km

3) which one of the following is a leap year?:
a) 1900   c) 2000
b) 1984   d) both (B) and (C)

4) If the radius of circle is first odd prime number,then find its diameter?
a) 15 units   c) 10 units
b) 6 units   d) 9 units

5) How many minutes are there in 2 days?
a) 288 mins   c) 576 mins
b) 248 mins   d) 676 mins

6) Which of the following alphabet represents a closed curve?
a) **U**   c) **R**
b) **C**   d) **O**

APPLICATIONS BASED QUESTIONS

7) The cup hold 750 ml of water and a mug hold 3 l 200 ml of water.so the mug can hold..........more ml of water than the cup.
a) 2530 ml   c) 2450 ml
b) 4250 ml   d)2350 ml

8) The measurement of a straight angle is equal to _____.
a) 90˚   c) 150˚
b) 180˚   d) none of these

9) How many days are there from 21st march to 17th april?.

a) 27 days   c)28 days
 b) 29 days   d) 31 days

10) If the side of square is 6 cm. Find the perimeter of the square.
a) 35 sq.cm   c) 28 sq.cm

b) 32 sq.cm   d) 24 sq.cm

11) See the table and answer the following question.

price	Items
Rs 30	Dozen of spoon
Rs 71	Dozen of plates
Rs 41	Dozen of cups
Rs 23	A pot
Rs 13	A bowl

Which item is most expensive?
a) dozen of plates   c)dozen of cups
b) dozen of spoon   d) a pot

LOGICAL BASED QUESTIONS

12) A train has 5 bogies.each bogie has 200 passengers. Find the total number of passengers in the train?
a) 500   c)1000
b) 1500   d) 5000

13) If the 4th day of a month is Monday, what will be the 21st day of the month?
a) Thursday   c) Wednesday
b) Friday   d) Tuesday

14) find the difference between ¾ and 2/4.
a) 2/4   c) 3/4
b) 1/4   d) 6/4

15) A car travels the distance of 75 km in 1 hour. How much time will the car take to cover 150 km?
a) 4 hours   c) 3 hours
b) 2 hours   d) 1 hours

HOTS

16) There were 2860 boys and 1840 girls in a school hall. 380 more girls than the boys and 450 boys left the hall. How many students remained in the hall?

a)3870   c) 3580
b) 3960   d) 3420

17) In a park, number of people is X and number of dogs is Y. Rahim notices that there are total 38 legs. How many people and dogs are there in the park?

a) 3 people and 5 dogs   c) 4 people and 8 dogs
b) 2 people and 8 dogs   d) 3 people and 8 dogs

18)A race competition started at 11 : 45 a.m and finished at 1 : 35 p.m how long did the competition last?

a) 1 hour
c) 1 hour and 20 minutes

b) 2 hour
d) 1 hour and 50 minutes

19) Find the missing number in the given matrix?

3	?	1
2	4	6
7	0	5

a) 6
c) 7

b)8
d)9

20) Reshma made the input – output table given below:

INPUT	OUTPUT
14	2
35	5
56	8
49	7
42	6

What rule can be used to find each output number?

a) Multiply input by 7
c) Multiply input by 3

b) Divide input by 7
d) Divide input by 7