CLASS VII (2019-20)
Holidays Homework
Mathematics

NOTE: Revise all the syllabus done in class so far.

TASK 1: Complete all the assignments on EDUCOSOFT for the chapters done so far.

Ch 1: Integers.

Ch 2: Fractions and Decimals.

Ch 9: Rational Numbers.

TASK 2: Tickle your brain, surf the net and do the following creatively:

(Roll numbers 1-25)

(a) Make an attractive Mandala Painting using mathematical concepts (Circles):
Present your work on an A3 size sheet. You can refer the following link:
https://www.art-is-fun.com/how-to-draw-a-mandala
https://www.mathsisfun.com/activity/mandala.html

(Roll numbers 25 onwards)

(b) Try Maths art: Exploring and Creating Tessellations. You can refer the following links:
http://www.teachkidsart.net/tessellations/
https://www.youtube.com/watch?v=WBVzoaFi90E

TASK 3: Read and answer the following:

Rakesh lives in Saket. His office is in Gurgaon. He was finding difficulty in commuting through metro so he bought a new bike for him.

Question 1: In order to ride his bike first time, he planned a road trip with his best friend Aman. He went on a road trip of 165.9km on bike. Next day he went to office on his bike. He covered 102.04km distance in the full day.

Next day he was curious to know how much has he travelled through bike. He looked at the meter reader of the bike. What he observed?

Which one of the option is correct?

(a) The reading on the meter was 102.04km.
(b) The reading on the meter was 165.9km.
(c) The reading on the meter was 267.94km.
(d) It is not possible to tell anything about what he observed.

Question 2: On sunday morning, Rakesh was cleaning his bike with help of water pipe. Suddenly his phone rang, and he went inside his home and forgot to close the tap. Water was continuously running and got wasted. When he came back after an hour, no water was left in the water tank. The capacity of his water tank was 56.32 litres. He started the motor to fill the water tank, but due to

shortage of water, he was able to fill only 21.19 litres of water. How much amount of water is left for the completely filled water-tank?

Which one of the option is correct?

(a) 77.5 litres of water is still required to get the water tank completely filled.
(b) 35.13 litres of water is still required to get the water tank completely filled.
(c) 21.19 litres of water is still required to get the water tank completely filled.
(d) It is not possible to tell anything about how much water is needed.

Question 3: Rakesh has a nephew karan who is a bread manufacturer. One day Rakesh visited Karan's factory. He was very keen to know the whole process of making bread. Karan took along Rakesh for a live demonstration of manufacturing process of bread.

The supervisor of the shift explained the process. He said 1 packet of bread requires $2\frac{1}{2}$ cups of flour and $1\frac{2}{3}$ cups of butter. Rakesh was thinking what quantity of both ingredients will be required in 10 such packets of bread. What did he estimate?

Which one of the option is correct?

(a) less than 30 cups.
(b) between 30 and 40 cups
(c) between 40 and 50 cups
(d) above 50 cups