

CLASS VI (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: Knowing our Numbers.

Ch 2: Whole Numbers.

Ch 4: Basic Geometrical Concepts.

Ch 13: Ratio and Proportion.

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

(Roll numbers 1-25)

- (a) Make an attractive Madhubani Painting using mathematical concepts (Curved lines, Straight lines):

Present your work on an A3 size sheet. You can refer the following link:

<https://www.youtube.com/watch?v=fbkL6tww1Bg>

<https://engrave.in/blog/madhubani-painting-6-steps/>

(Roll numbers 25 onwards)

- (b) Try Maths art: Create a Wall-paper / gift paper using colourful patterns that includes geometrical shapes. Present your work on A3 size sheet. You can refer the following link:

<https://visme.co/blog/geometric-patterns/>

TASK 3:

Read and answer the following:

Raghav lives with his wife Reshma in Delhi. He earns ₹28,000 per month and his wife earns ₹36,000 per month.

They both are very social and always donate some amount of their income in charity. Raghav is very fond of sweets and he loves to cook as well.

Question 1. One day Raghav prepared 18 kg of burfi by mixing khoya with sugar in the ratio of 7 : 2. Reshma came into kitchen and asked him how much khoya did he use in preparing the burfi.

Which one of the following statement is correct?

- (a) Raghav said he used 9 kg of khoya.
- (b) Raghav said he used 14 kg of khoya.
- (c) Raghav said he used 2 kg of khoya.
- (d) It is not possible to tell anything about weight of khoya used from the information given.

Question 2. On Sunday morning, Reshma decided to donate their old clothes. They both went to a old-age home. There they found 288 members are part of that home. Out of that, 112 were men, 170 were women and 6 were transgender.

Raghav was observing and keen to know the ratio of number of transgender to the total number of person living there in old-age home.

Which one of the following statement is correct?

- (a) Raghav got to know that the ratio of No. of transgender : Total No. of person is 1 : 48
- (b) Raghav got to know that the ratio of No. of transgender : Total No. of person is 48 : 1
- (c) Raghav got to know that the ratio of No. of transgender : Total No. of person is 7 : 18
- (d) It is not possible to tell anything about the ratio of No. of transgender : Total No. of person.

Question 3. Financial year came to the end. They both were supposed to pay the income tax. Raghav paid ₹12,000 and Reshma paid ₹15,000 as income tax. Reshma wanted to know the ratio of her income to the income tax.

Which one of the following is correct?

- (a) She came to know that the ratio of her income : income tax is 5 : 12
- (b) She came to know that the ratio of her income : income tax is 12 : 5
- (c) She came to know that the ratio of her income : income tax is 1 : 3
- (d) It is not possible to tell anything about the ratio of her income : Income tax.