Student will prepare a project file on the topic "properties of operation on fractions"

It will contain the following

1. Front page contains the heading "MATHEMATICS PROJECT WITH ART INTEGRATION"
2. Second page contains the following
   (a) School name
   (b) Student name
   (c) Class/section
   (d) Roll number
   (e) Subject
   (f) Subject in charge
3. Third page contains the topic of the project
4. From fourth page student will start their work
5. All the pages are well decorated

ASSIGNMENT-2

. **Arrange the following fractions in ascending order:**

(i) $\dfrac{3}{8}, \dfrac{5}{6}, \dfrac{6}{8}, \dfrac{2}{4}, \dfrac{1}{3}$

(ii) $\dfrac{4}{6}, \dfrac{3}{8}, \dfrac{6}{12}, \dfrac{5}{16}$

2. Find the sum:

(i) $\dfrac{5}{8} + \dfrac{3}{10}$

(ii) $4\dfrac{3}{4} + 9\dfrac{2}{5}$

(iii) $\dfrac{5}{6} + \dfrac{3}{4} + 3$

(iv) $2\dfrac{3}{5} + 4\dfrac{7}{10} + 2\dfrac{4}{15}$

3. Find the difference:

(i) $\dfrac{6}{7} - \dfrac{9}{11}$

(ii) $8 - \dfrac{5}{9}$

(iii) $9 - 5\dfrac{2}{3}$

4. Simplify:

(i) $\dfrac{2}{3} + \dfrac{1}{6} - \dfrac{2}{9}$

(ii) $12 - 3\dfrac{1}{2}$

(iii) $7\dfrac{5}{6} + 4\dfrac{3}{8} - 2\dfrac{7}{12}$

5. The cost of Mathematics book is ₹ $25\dfrac{3}{4}$ and that of Science book is ₹ $20\dfrac{1}{2}$. Which cost more and by how much?

6. Find:

(i) $\dfrac{7}{11}$ of Rs 330

(ii) $\dfrac{5}{9}$ of 108 meters

(iii) $\dfrac{3}{7}$ of 42 liters

(iv) $\dfrac{7}{12}$ of an hour

(v) $\dfrac{5}{6}$ of an year

(vi) $\dfrac{3}{20}$ of a kg

(vii) $\dfrac{7}{20}$ of a liter

(viii) $\dfrac{5}{6}$ of a day

(ix) $\dfrac{2}{7}$ of a week

7. Lipika reads a book for $1\frac{3}{4}$ hours every day. She reads the entire book in 6 days. How many hours in all were required by her to read the book?

8. Divide:

(i) $\frac{3}{8}$ by $\frac{5}{9}$

(ii) $3\frac{1}{4}$ by $\frac{2}{3}$

(iii) $\frac{7}{8}$ by $4\frac{1}{2}$

(iv) $6\frac{1}{4}$ by $2\frac{3}{5}$

**9.** The length of rectangular plot of area $65\frac{1}{3}$ m² is $12\frac{1}{4}$ m. What is the width of the plot?

10. By what number should $6\frac{2}{9}$ be multiplied to get $4\frac{4}{9}$?

11. In mid-day meal scheme $\frac{3}{10}$ liter of milk is given to each student of a primary school. If 30 liters of milk is distributed every day in the school, how many students are there in the school?

12. If the complement of an angle is 28°, then find the supplement of the angle.

13.

Find the value of x in each of the following figures.

(i)

(ii)

(iii)

(iv)

(v)

(vi)
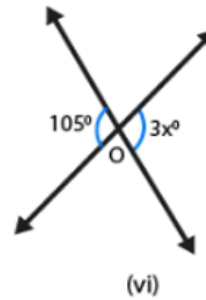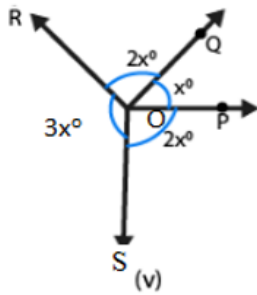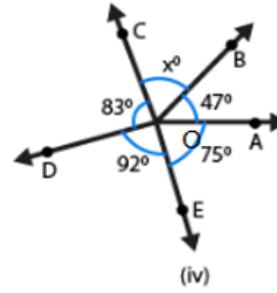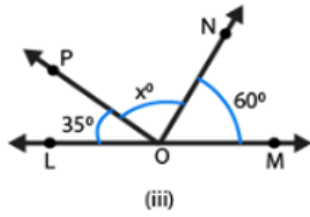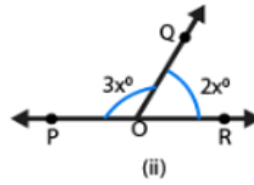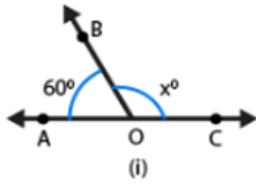
14. In Figure given, find the value of x. Further find ∠BOC, ∠COD and ∠AOD.

Fig 25