



SACRED HEART SCHOOL

Maharana Pratap Chowk, Jhumri Telaiya, Koderma

Website: <http://www.sacredheartkoderma.org/>

Maths

Class – VII (27-April-2020)

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Mathematics for Class 7

3. Arrange the following fractions in descending order:

(i) $\frac{3}{4}, \frac{7}{8}, \frac{17}{12}, \frac{17}{24}$

(ii) $\frac{2}{3}, \frac{3}{5}, \frac{7}{10}, \frac{8}{15}$

4. Reenu got $\frac{2}{7}$ part of an apple while Sonal got $\frac{4}{5}$ part of it. Who got the larger part and by how much?

5. Find the sum:

(i) $\frac{5}{9} + \frac{3}{9}$

(ii) $\frac{8}{9} + \frac{7}{12}$

(iii) $\frac{5}{6} + \frac{7}{8}$

(iv) $\frac{7}{12} + \frac{11}{16} + \frac{9}{24}$

(v) $3\frac{4}{5} + 2\frac{3}{10} + 1\frac{1}{15}$

(vi) $8\frac{3}{4} + 10\frac{2}{5}$

6. Find the difference:

(i) $\frac{5}{7} - \frac{2}{7}$

(ii) $\frac{5}{6} - \frac{3}{4}$

(iii) $3\frac{1}{5} - \frac{7}{10}$

(iv) $7 - 4\frac{2}{3}$

(v) $3\frac{3}{10} - 1\frac{7}{15}$

(vi) $2\frac{5}{9} - 1\frac{7}{15}$

7. Simplify:

(i) $\frac{2}{3} + \frac{5}{6} - \frac{1}{9}$

(ii) $8 - 4\frac{1}{2} - 2\frac{1}{4}$

(iii) $8\frac{5}{6} - 3\frac{3}{8} + 1\frac{7}{12}$

8. Aneeta bought $3\frac{3}{4}$ kg apples and $4\frac{1}{2}$ kg guava. What is the total weight of fruits purchased by her?

9. A rectangular sheet of paper is $15\frac{3}{4}$ cm long and $12\frac{1}{2}$ cm wide. Find its perimeter.

10. A picture is $7\frac{3}{5}$ cm wide. How much should it be trimmed to fit in a frame $7\frac{3}{10}$ cm wide?

11. What should be added to $7\frac{3}{5}$ to get 18?

12. What should be added to $7\frac{4}{15}$ to get $8\frac{2}{5}$?

13. A piece of wire $3\frac{3}{4}$ m long broke into two pieces. One piece is $1\frac{1}{2}$ m long. How long is the other piece?

14. A film show lasted for $3\frac{2}{3}$ hours. Out of this time $1\frac{1}{2}$ hours was spent on advertisements. What was the actual duration of the film?

15. Of $\frac{2}{3}$ and $\frac{5}{9}$, which is greater and by how much?

16. The cost of a pen is ₹ $16\frac{3}{5}$ and that of a pencil is ₹ $4\frac{3}{4}$. Which costs more and by how much?

EXERCISE 2A

1. Compare the fractions:

(i) $\frac{5}{8}$ and $\frac{7}{12}$

(ii) $\frac{5}{9}$ and $\frac{11}{15}$

(iii) $\frac{11}{12}$ and $\frac{15}{16}$

2. Arrange the following fractions in ascending order:

(i) $\frac{3}{4}, \frac{5}{6}, \frac{7}{9}, \frac{11}{12}$

(ii) $\frac{4}{5}, \frac{7}{10}, \frac{11}{15}, \frac{17}{20}$