FRACTION (PRACTICE)

1. Find the greatest fraction and the least fraction.

   a) $\dfrac{2}{5}, \dfrac{3}{7}, \dfrac{4}{9}, \dfrac{5}{11}, \dfrac{6}{13}$

   b) $\dfrac{4}{9}, \dfrac{1}{2}, \dfrac{3}{5}, \dfrac{4}{7}, \dfrac{6}{11}$

   c) $\dfrac{2}{11}, \dfrac{3}{13}, \dfrac{4}{15}, \dfrac{5}{17}, \dfrac{6}{19}$

   d) $\dfrac{2}{81}, \dfrac{11}{131}, \dfrac{19}{751}, \dfrac{29}{1053}$

2. What small fraction should be added to $\dfrac{2}{3} + 2\dfrac{3}{5} + \dfrac{4}{5} + 3\dfrac{3}{4}$ to make the sum

   a whole number?

3. Simplify:

   a) $\dfrac{1}{1+\dfrac{1}{2-\dfrac{2}{1+\dfrac{4}{3}}}}$

   b) $2 - \dfrac{1}{2+\dfrac{1}{3+\dfrac{5}{1+\dfrac{2}{3}}}}$

   c) $2 - \dfrac{1}{2+\dfrac{1}{3-\dfrac{5}{2+\dfrac{1}{3}}}}$

d) $\dfrac{3}{2+\dfrac{1}{2-\dfrac{2}{1+\dfrac{1}{3}}}}$

4. A sum of money when increased by its 7th part amounts to Rs. 160. Find the sum.

5. Two-third of four-fifth of a land is sold for Rs. 80,000. What is the value of six-twenty fifth of the land?

6. $\dfrac{8}{7}$th Part of what amount will be equal $\dfrac{3}{5}$th of 2000?

7. What fraction is 15 bananas in 7 dozens?

8. A man spent $\dfrac{5}{13}$th of his savings and still has Rs. 8000 left with him. What were his savings?

9. A man reads $\dfrac{3}{7}$ of a book on a day and $\dfrac{3}{4}$ of the remainder, on the second day. After the second day he has to read 25 pages. How many pages did the book contain?

10. Find two fractions between;

a) $\frac{2}{5}$ and $\frac{3}{4}$

b) $\frac{3}{5}$ and $\frac{5}{7}$

c) $\frac{3}{7}$ and $\frac{2}{3}$

d) $\frac{3}{8}$ and $\frac{7}{11}$

ANSWERS:-

1.

a) The greatest $= \dfrac{6}{13}$ and the least $= \dfrac{2}{5}$.

b) The greatest $= \dfrac{3}{5}$ and the least $= \dfrac{4}{9}$.

c) The greatest $= \dfrac{6}{19}$ and the least $= \dfrac{2}{11}$.

d) The greatest $= \dfrac{11}{131}$ and the least $= \dfrac{2}{81}$.

2. $\dfrac{11}{60}$

3.

a) $\dfrac{8}{15}$

b) $\dfrac{20}{13} = 1\dfrac{7}{13}$

c) $\dfrac{32}{19} = 1\dfrac{13}{19}$

d) $\dfrac{3}{4}$

4. Rs. 140.

5. Rs. 36000.

6. 1050.

7. $\dfrac{5}{28}$.

8. Rs. 13000

9. 175.

10.

a) $\frac{1}{2}$ and $\frac{5}{9}$.

b) $\frac{2}{3}$ and $\frac{5}{8}$.

c) $\frac{1}{2}$ and $\frac{4}{9}$.

d) $\frac{10}{19}$ and $\frac{13}{27}$.