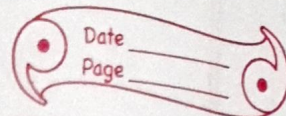


Hw

3.09.21

Ex. 9. (B)



$$1. a. \frac{8}{15} - \frac{4}{9} = \text{L.C.M of } 15, 9 = 3 \times 5 \times 3 = 45$$

$$\frac{8}{15} - \frac{4}{9} = \left(\frac{8}{15} \times \frac{3}{3} \right) - \left[\frac{4}{9} \times \frac{5}{5} \right] = \frac{24 - 20}{45}$$
$$= \frac{4}{45}$$

$$b. \frac{11}{13} - \frac{5}{7} = \text{L.C.M of } 13 \text{ and } 7 = 13 \times 7 = 91$$

$$\frac{11}{13} - \frac{5}{7} = \left(\frac{11}{13} \times \frac{7}{7} \right) - \left(\frac{5}{7} \times \frac{13}{13} \right) = \frac{77 - 65}{91}$$
$$= \frac{12}{91}$$

$$c) \frac{13}{17} - \frac{7}{10} = \text{L.C.M of } 17 \text{ and } 10 = 170$$

$$\frac{13}{17} - \frac{7}{10} = \text{L.C.M of } 17 \text{ and } 10 = 17 \times 10 = 170$$

$$\frac{13}{17} - \frac{7}{10} = \left(\frac{13 \times 10}{17 \times 10} \right) - \left(\frac{7 \times 17}{10 \times 17} \right) = \frac{130 - 119}{170}$$
$$= \frac{11}{170}$$

$$d. \frac{15}{19} - \frac{9}{13} = \frac{24}{247}$$

$$e. \frac{7}{9} - \frac{4}{15} = \frac{23}{45}$$

$$f. \frac{76}{27} - \frac{7}{18} = \frac{11}{54}$$

$$g. 13\frac{7}{9} - 8\frac{5}{12} = 5\frac{13}{36}$$

$$h. 6\frac{3}{17} - 4 = 2\frac{3}{17}$$

$$i. 30\frac{3}{4} - 25 = 5\frac{3}{4}$$

$$j. 20\frac{7}{12} - 5 = 15\frac{7}{12}$$

$$k. 12\frac{7}{8} - 11\frac{1}{2} = 1\frac{3}{8}$$

$$l. 100\frac{1}{4} - 99 = 1\frac{1}{4}$$