## EXERCISE – 6F

**Q-1. Add the following –**

a. $\frac{3}{4}+\frac{1}{8}$

$=\frac{6+1}{8}=\frac{7}{8}$

| | | |
|---|---|---|
| 2 | 4 | 8 |
| 2 | 2 | 4 |
| | 1 | 2 |

LCM = 2x2x2 = 8

b. $\frac{3}{10}+\frac{2}{5}$

$=\frac{3+4}{10}=\frac{7}{10}$

| | | |
|---|---|---|
| 5 | 5 | 10 |
| | 1 | 2 |

LCM = 5 x 2 = 10

d... $\frac{1}{2}+\frac{1}{12}$

$=\frac{6+1}{12}=\frac{7}{12}$

| | | |
|---|---|---|
| 2 | 2 | 12 |
| 2 | 1 | 6 |
| | 1 | 3 |

LCM = 2 x2 x3 =12

i. $\frac{3}{10}+\frac{1}{2}+\frac{3}{5}$

$=\frac{3+5+6}{10}=\frac{14}{10}=\frac{7}{5}=1\frac{2}{5}$

| | | | |
|---|---|---|---|
| 2 | 10 | 2 | 5 |
| 5 | 5 | 1 | 5 |
| | 1 | 1 | 1 |

LCM = 2x5 = 10

j. $\frac{3}{4}+\frac{5}{12}+\frac{2}{3}$

$=\frac{9+5+8}{12}=\frac{22}{12}=\frac{11}{6}=1\frac{5}{6}$

| | | | |
|---|---|---|---|
| 2 | 4 | 12 | 3 |
| 2 | 2 | 6 | 3 |
| 3 | 1 | 3 | 3 |
| | 1 | 1 | 1 |

LCM = 2x2x3 = 12

o. $2\frac{1}{9}+1\frac{1}{3}$

$=\frac{19}{9}+\frac{4}{3}$

$=\frac{19+12}{9}=\frac{31}{9}=3\frac{4}{9}$

| | | |
|---|---|---|
| 3 | 9 | 3 |
| | 3 | 1 |

LCM = 3x3 = 9

**Q-2. Subtract the following –**

a. $\frac{1}{2} - \frac{3}{8}$

$= \frac{4-3}{8} = \frac{1}{8}$

| | | |
|---|---|---|
| 2 | 2 | 8 |
| 2 | 1 | 4 |
| | 1 | 2 |

LCM = 2x2x2 = 8

b. $\frac{2}{3} - \frac{2}{9}$

$= \frac{6-2}{9} = \frac{4}{9}$

| | | |
|---|---|---|
| 3 | 3 | 9 |
| | 1 | 3 |

LCM = 3x3 = 9

f.. $2\frac{7}{8} - 1\frac{1}{4}$

$= \frac{23}{8} - \frac{5}{4}$

LCM of 4 and 8 = 8

$= \frac{23-10}{8} = \frac{13}{8} = 1\frac{5}{8}$

g.. $4\frac{1}{2} - \frac{3}{10}$

$= \frac{9}{2} - \frac{3}{10}$

LCM of 2 and 10 = 10

$= \frac{45-3}{10} = \frac{42}{10} = \frac{21}{5} = 4\frac{1}{5}$