2. Subtract the following fraction.

a. $\frac{8}{15} - \frac{4}{9}$

Direct Ans

Ans $\frac{4}{45}$

Process

LCM of 15, 9 = 45

$\frac{8 \times 3 = 24}{15 \times 3 = 45}$ $\frac{4 \times 5 = 20}{9 \times 5 = 45}$

Now, $20 - 45 = \frac{4}{45}$

b. $\frac{11}{13} - \frac{5}{7}$

Process

LCM of 13, 7 = 91

$\frac{11 \times 7 = 77}{13 \times 7 = 91}$ $\frac{5 \times 13 = 65}{7 \times 13 = 91}$

Now, $77 - 65 = \frac{12}{91}$

Direct Ans

Ans ~~LCM of 13, 7 =~~

$\frac{12}{91}$

c. $\frac{13}{17} - \frac{7}{10}$

Process

LCM of 17, 10 = 170

$\frac{13 \times 10 = 130}{17 \times 10 = 170}$ $\frac{7 \times 17 = 119}{10 \times 17 = 170}$

Now $119 - 130 = \frac{11}{170}$

Ans Direct Ans

$\frac{11}{170}$

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

Direct Ans

$\frac{24}{247}$

Process

LCM of 19, 13 = 247

$\frac{15 \times 13 = 195}{19 \times 13 = 247}$ $\frac{9 \times 19 = 171}{13 \times 19 = 247}$

Now, $195 - 171 = \frac{24}{247}$

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

Direct Ans

$\frac{23}{45}$

Ans.

Process

LCM of 9 and 15 = 45

$\frac{7 \times 5 = 35}{9 \times 5 = 45}$ $\frac{4 \times 3 = 12}{15 \times 3 = 45}$

Now, $35 - 12 = \frac{23}{45}$

f. $\frac{16}{27} - \frac{7}{18}$

Direct Ans

$\frac{11}{54}$

Ans

Process

LCM of 27, 18 = 54

$\frac{16 \times 2 = 32}{27 \times 2 = 54}$ $\frac{7 \times 3 = 21}{18 \times 3 = 54}$

Now, $32 - 21 = 11$

g: $13\frac{7}{9} - 8\frac{5}{12}$

Ans: Direct Ans

$5\frac{13}{36}$

Process

Convert into ~~mix~~ improper fractions

$\frac{124}{9}$ $\frac{105}{12}$

LCM of 9 and 12 = 36

$\frac{124 \times 4 = 496}{9 \times 4 = 36}$ $\frac{105 \times 3 = 303}{12 \times 3 = 36}$

Now, $496 - 303 = \frac{193}{36}$

Convert into mixed fraction

$= 5\frac{13}{36}$

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

Ans. Direct Ans

$2\frac{3}{17}$

Process

Convert into improper fraction

$\frac{37}{17} \quad \frac{4}{1}$

LCM of 17, 1 = 17

$\frac{37 \times 1 = 37}{17 \times 1 = 17} \quad \frac{4 \times 17 = 68}{1 \times 17 = 17}$

Now, $68 - 37 = \frac{31}{17}$

Convert into mixed fraction

$= 2\frac{3}{17}$

i: $30\frac{3}{4} - 25$

Ans: Direct Ans

$5\frac{3}{4}$

Process

Convert into improper fraction

$\frac{123}{4} \quad \frac{25}{1}$

LCM of 4, 1 = 4

$\frac{123 \times 1 = 123}{4 \times 1 = 4} \quad \frac{25 \times 4 = 100}{1 \times 4 = 4}$

Now, $123 - 100 = \frac{23}{4}$

Convert into mixed fraction $= 5\frac{3}{4}$

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

Ans: Direct Ans

$5\frac{7}{12}$

Process

Convert into improper fraction

$\frac{247}{12} \quad \frac{15}{1}$

LCM of 12, 1 = 12

$247 \times 1 = 247 \quad 15 \times 12 = 180$

$12 \times 1 = 12 \quad 1 \times 12 = 12$

Now, $247 - 180 = \frac{67}{12}$

Convert into mixed ~~fractio~~ fraction = $5\frac{7}{12}$

K. $12\frac{7}{8} - 11\frac{1}{2}$

Ans. Direct Ans

$1\frac{3}{8}$

Process

Convert into Improper fraction

$\frac{103}{8} \quad \frac{23}{2}$

LCM of 8, 2 = 8

$\frac{103 \times 1 = 103}{8 \times 1 = 8} \quad \frac{23 \times 4 = 92}{2 \times 4 = 8}$

Now, $103 - 92 = \frac{11}{8}$

Convert into mixed fraction $= 1\frac{3}{8}$.

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

Ans Direct Ans

$1\frac{1}{4}$

Process

Convert into improper fraction

$\frac{401}{4} \quad \frac{99}{1}$

LCM of 4, 1 = 4

$\frac{401 \times 1}{4 \times 1} = \frac{401}{4} \quad \frac{99 \times 4}{1 \times 4} = \frac{396}{4}$

Now, $401 - 396 = \frac{5}{4}$

Convert into mixed fraction

$= 1\frac{1}{4}$