

USING EQUIVALENT FRACTIONS

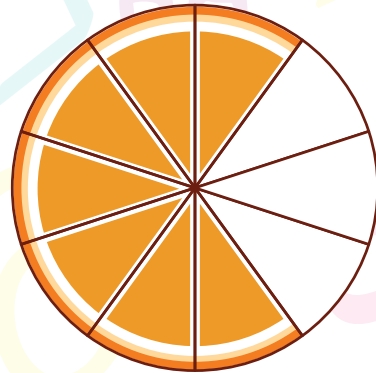
Problem:

$$\frac{3}{4} + \frac{1}{6} = ? =$$



Solution:

- Multiples of 4: 4, 8, 12, 16...
- Multiples of 6: 6, 12, 18, 24...
- So, the LCM is 12.



- The denominator for both fractions is 12. So the numerators will be multiplied with 3 and 2 for 1st and 2nd fractions respectively.

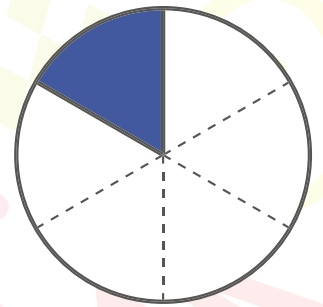
- Now, equivalent fractions are $9/12$ and $2/12$.

- So the summation will be $= 9/12 + 2/12 = 11/12$.

$$\frac{3}{4} = \frac{3 \times 3}{4 \times 3} = \frac{9}{12}$$

$$\frac{1}{6} = \frac{1 \times 2}{6 \times 2} = \frac{2}{12}$$

$$\frac{3}{4} + \frac{1}{6} = \frac{11}{12}$$



- Simplify the fraction if possible