BASIC WORKSHEET
2019-20

BHASHYAM BROOKS
THE FORMULA SCHOOL

BHASHYAM BLOOMS SCHOOL

Name:_____Grade : V Branch: _____Date:29/04/2020   Sub: Math

Fraction :- A Fraction represents an equal part of whole

<u>Type</u> of <u>fractions</u>

   <u>i)</u>   Proper fraction : Fraction whose numerator is less than denominator

        Ex: $\frac{2}{7}$, $\frac{4}{8}$, $\frac{5}{9}$ etc

ii. improper fraction : fraction whose numerator is greater than denominator

        Ex: $\frac{5}{2}$, $\frac{7}{3}$, $\frac{4}{3}$ etc

iii. Mixed fraction: it is the combination of a whole number and a proper fraction

        Ex: $1\frac{2}{7}$, $2\frac{4}{5}$, $3\frac{7}{9}$ etc

To convert improper fraction to mixed fraction

        Ex: $\frac{5}{2}$, = $Q\frac{R}{O}$

D ⟶

$$2 \overset{\displaystyle 2 \underline{\qquad} Q}{\overline{)\,5\,(}}$$

$$\underline{\dfrac{4}{1}} \underline{\qquad} R$$

So $\frac{5}{2}$ = $2\frac{1}{2}$

Convert mixed fraction in to improper fraction

        Ex: $4\frac{3}{2}$, = $Q\frac{R}{D}$

To convert mixed to improper fraction we do

    $\dfrac{(Quotient \times Divisor)+ Remainder}{Divisor}$

Here Q= 4, D=2, R=3

So $\left(\dfrac{4 \times 2}{2}\right)+3 \quad = \quad \dfrac{8+3}{2} = \dfrac{11}{2}$

I. Convert the following improper fractions in to mixed fractions

a) $\dfrac{7}{2}$ b) $\dfrac{11}{4}$ c) $\dfrac{38}{6}$ d) $\dfrac{44}{12}$ e) $\dfrac{28}{5}$

II. Convert Mixed fractions to improper fraction

a) $3\dfrac{2}{4}$ b) $12\dfrac{1}{3}$ c) $4\dfrac{3}{12}$ d) $17\dfrac{5}{8}$

e) $14\dfrac{2}{5}$