

Subject: MATHS

07.07.2020

Class 5

Lesson 7A Fractions

Dear students

In previous class you knew how to reduce Fractions in its lowest terms by dividing common multiple method and dividing by HCF method.

Today you will know how to change proper Fractions into mix Fractions or mix numbers.

See the example carefully and try to catch

Conversion of an Improper Fraction into a mixed number.

An Improper fraction can be converted into mixed fraction or mixed number, by dividing numerator and denominator.

The quotient forms the whole number, the remainder forms the numerator and the divisor forms the denominator of the fraction part of the mixed number.

Ex- Convert $\frac{127}{8}$ into a mixed number

Solution: $\frac{127}{8}$
 = Quotient $\frac{\text{Remainder}}{\text{Divisor}}$
 = $15 \frac{7}{8}$

$$\begin{array}{r} 15 \overline{) 127} \\ \underline{-80} \\ 47 \\ \underline{+0} \\ 7 \end{array}$$

Q = 15
 R = 7
 Divisor = 8

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Ex-(2) Convert $2\frac{5}{9}$ into an Improper fraction

Solution: \rightarrow $2\frac{5}{9}$

$$= \frac{2}{1} + \frac{5}{9} = \frac{(2 \times 9) + 5}{9} = \frac{18 + 5}{9} = \frac{23}{9}$$

Method II: \rightarrow $2\frac{5}{9}$

$$= \frac{2 \times 9 + 5}{9} = \frac{23}{9} \text{ Ans}$$

Home Assignment:

(1) Convert the following improper fractions into mixed number

(a) $\frac{26}{7}$ (b) $\frac{119}{15}$ (c) $\frac{73}{12}$

(d) $\frac{92}{8}$ (e) $\frac{132}{25}$ (f) $\frac{295}{43}$

(g) $\frac{57}{5}$ (h) $\frac{110}{12}$ (i) $\frac{173}{11}$

(2) Convert mixed number into Improper Fractions:-

(a) $2\frac{1}{7}$

(b) $7\frac{3}{9}$

(c) $8\frac{2}{7}$

(d) $1\frac{1}{3}$

(e) $11\frac{2}{13}$

(f) $7\frac{2}{5}$

(g) $3\frac{2}{5}$

(h) $4\frac{3}{7}$

(i) $6\frac{5}{9}$

(j) $5\frac{2}{8}$

(k) $5\frac{1}{5}$

(l) $2\frac{1}{3}$

3 Write:-

(a) 5 Proper fractions with numerator + 10

(b) 5 Improper fractions with denominator 20

(c) 4 like fractions with denominator 7.

(d) 4 unlike fractions with numerator 11.

(e) 5 fractions whose value is equal to 1

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