ASSIGNMENT 23

STD IV **MATHEMATICS**

CHAPTER 9 **FRACTIONS**

Do the following assignment in your Maths copy.

1. Reduce the given fractions to their lowest forms :

Eg. $\frac{48}{60}$

Solu : $\frac{48\div2}{60\div2} = \frac{24\div2}{30\div2} = \frac{12\div3}{15\div3} = \frac{4}{5}$

a) $\frac{30}{42}$ b) $\frac{45}{60}$ c) $\frac{36}{48}$ d) $\frac{70}{105}$

2. Convert the following to a mixed fraction :

Mixed fraction = Quotient $\frac{\text{Remainder}}{\text{Divisor}}$

Eg. $\frac{79}{7}$

Solu: 7) 7 9 (11

7

0 9

7

2

$\frac{79}{7} = 11\frac{2}{7}$

a) $\frac{19}{2}$ b) $\frac{93}{5}$ c) $\frac{45}{9}$ d) $\frac{98}{6}$

3. Convert the following into improper fraction:

Improper fraction =

$$\frac{Whole\ number\ X\ Denominator + numerator}{Denominator}$$

Eg. $9\frac{1}{8}$

Solu: $\frac{9\ X\ 8\ +1}{8}$

$= \frac{72 + 1}{8}$

$= \frac{73}{8}$

a) $1\frac{4}{5}$ b) $5\frac{4}{9}$ c) $6\frac{3}{7}$ d) $5\frac{3}{10}$

4. Solve:

Eg. $\frac{1}{3}$ of 18

Solu: $\frac{1}{3}$ of 18

$= 18 \div 3$

$= 6$

a) $\frac{1}{6}$ of 30 b) $\frac{1}{2}$ of 50

c) $\frac{1}{4}$ of 56 d) $\frac{1}{7}$ of 105