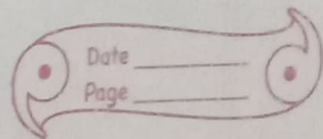# Chapter -9

Fractions (WORKSHEET)

1. Fill in the blanks:

a) Fractions with different denominators are <u>unlike</u> fractions.

b) A <u>mixed</u> number is a combination of a whole number and a proper fraction.

c) A fraction greater than 1 is always a/an <u>improper</u> fraction.

d) in $\frac{17}{18}$, the numerator is <u>17</u>

e) The lowest term of $\frac{10}{10}$ is <u>1</u>

f) <u>$\frac{1}{5}$</u>, One-fifth make a whole.

g) There are <u>4</u> halves in $4\frac{1}{2}$.

h) A <u>proper</u> fraction is always less than 1.

i) A fraction with the same denominator

are ___Like___ fractions.

j) The numbers such as half, one-fourth, two-fifth, five-sixth etc. are called ___proper___ numbers.

2. Do as directed:

a) $\dfrac{3}{\cancel{5}} \times \cancel{25}^{5} = 3 \times 5 = 15$

b) $\dfrac{19}{2} = 9\dfrac{1}{2}$

c) $6\dfrac{2}{9} = \dfrac{56}{9}$

d) $\dfrac{3}{4} > \dfrac{2}{5}$

e) $\dfrac{18}{42} = \dfrac{9}{21} = \dfrac{3}{7}$

3.a) $2\dfrac{5}{13} + \dfrac{7}{13} + 3\dfrac{9}{26} = \dfrac{31}{13} + \dfrac{7}{13} + \dfrac{87}{26}$

$$= \frac{63 + 14 + 87}{26} = \frac{76 + 87}{26} = \frac{163}{26} = 6\frac{11}{26}$$

b) $9\frac{5}{7} - 5\frac{7}{9} = \frac{68}{7} - \frac{52}{9}$ *

$$= \frac{612 - 364}{63} = \frac{248}{63} = 3\frac{59}{63}$$

c) $\frac{2}{5} \times \frac{3}{4} \times \frac{1}{2}$

$$= \frac{3}{5 \times 4} = \frac{3}{20}$$

d) $\frac{3}{5} + \frac{1}{2} - \frac{3}{4} = \frac{6 + 5}{10} - \frac{3}{4}$

$$= \frac{11}{10} - \frac{3}{4} = \frac{22 - 3}{20} = \frac{22 - 15}{20} = \frac{7}{20}$$

e) A ribbon measuring is cut into 7
pieces $= 3\frac{1}{2}$ m

The lenght of each piece $= 3\frac{1}{2} \div 7$

$$= \frac{7}{2} \times \frac{1}{7} = \frac{1}{2}$$

so $3\frac{1}{2}$m is the lenght of each piece