WORK SHEET-SECOND TERM 2013-2014
CLASS IV – MATHS

CHAPTER : 6 FRACTIONS

Fill in the blanks :-

1. A _____ is a part of a whole.
2. The number above the fractional bar is called _____.
3. The number below the fractional bar is called _____.
4. _____ quarters are there in a whole.
5. _____ halves make a whole.
6. _____ quarters are there in one half.
7. _____ quarters are there in three-fourths.
8. Three quarters can be represented as _____.
9. In $\frac{8}{15}$, numerator is _____ and denominator is _____.
10. Fractions which indicate the same value are _____ fractions.
11. Fractions that have the same denominator are called _____ fractions.
12. Fractions that have different denominators are called _____fractions.
13. $\frac{9}{16} \square \frac{10}{16}$ (< , >).
14. $\frac{2}{7} + 0 =$ _____.
15. A fraction with the numerator less than the denominator is a _____ fraction.
16. A fraction with the numerator greater than or equal to the denominator is a _____ Fraction.
17. Proper fractions that have 1 as the numerator are called _____ fractions,
18. Fractions having a whole number and a fractional number are called _____fractions.

19) $\frac{1}{2}$, $\frac{1}{9}$, $\frac{1}{4}$, $\frac{1}{8}$, etc are _____ fractions.

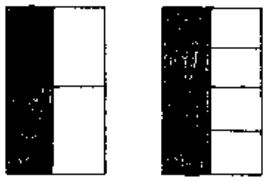
20) $\frac{17}{8}$, $\frac{11}{8}$, $\frac{9}{8}$, $\frac{16}{8}$, etc are _____ fractions.

21) $\frac{1}{11}$, $\frac{4}{11}$, $\frac{5}{11}$, $\frac{8}{11}$, etc are _____ fractions.

Do the following

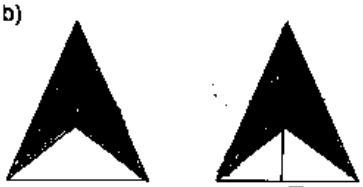
1. Study the shaded regions and fill in the blanks.

a)



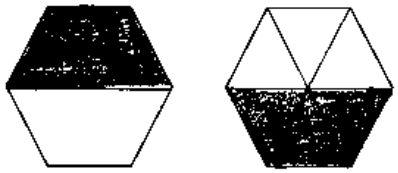
$\frac{1}{2} = \frac{\square}{8}$

b)



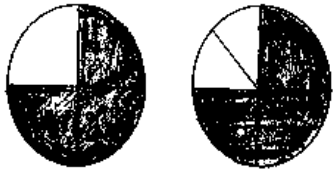
$\frac{2}{3} = \frac{\square}{6}$

c)



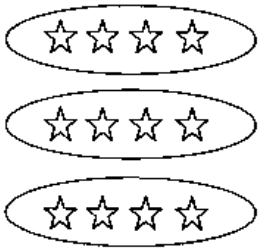
$\frac{1}{2} = \frac{\square}{6}$

d)



$\frac{3}{\square} = \frac{6}{8}$

2.



Colour $\frac{1}{3}$

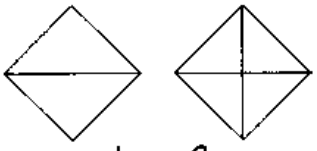
colour $\frac{4}{12}$

Put in the sign in (<,> or =) the boxes to show what you observe.

$\frac{1}{3} \square \frac{4}{12}$

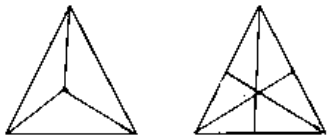
3. Colour the following to show equivalent fractions.

a)



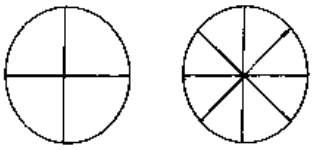
$\frac{1}{2} = \frac{2}{4}$

b)



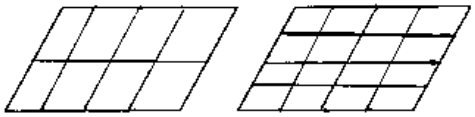
$\frac{1}{3} = \frac{2}{6}$

c)



$\frac{2}{4} = \frac{4}{8}$

d)



$\frac{4}{8} = \frac{8}{16}$

4. Identify these as like and unlike fractions.

a. $\frac{12}{15}, \frac{6}{15}$

b. $\frac{1}{6}, \frac{1}{9}, \frac{1}{2}$

c. $\frac{3}{11}, \frac{6}{12}, \frac{4}{9}$

d) $\frac{7}{10}, \frac{2}{10}, \frac{8}{10}$

e) $\frac{7}{16}, \frac{2}{16}, \frac{6}{10}$

f) $\frac{2}{5}, \frac{1}{5}$

5. Compare the fractions and fill in the blanks with < , > or =

a. $\frac{11}{15} \square \frac{2}{15}$

b. $\frac{4}{9} \square \frac{4}{9}$

c. $\frac{9}{12} \square \frac{10}{12}$

d. $\frac{3}{15} \square \frac{4}{15}$

e) $\frac{2}{6} \square \frac{2}{6}$

f) $\frac{1}{8} \square \frac{2}{8}$

g) $\frac{9}{10} \square \frac{7}{10}$

h) $\frac{3}{7} \square \frac{5}{7}$

6. Arrange the following in ascending order.

a. $\frac{2}{9}$, $\frac{7}{9}$, $\frac{1}{9}$, $\frac{8}{9}$, $\frac{5}{9}$

b. $\frac{3}{10}$, $\frac{9}{10}$, $\frac{6}{10}$, $\frac{4}{10}$

c. $\frac{3}{4}$, $\frac{1}{4}$, $\frac{2}{4}$

d. $\frac{10}{12}$, $\frac{7}{12}$, $\frac{12}{12}$, $\frac{3}{12}$, $\frac{6}{12}$, $\frac{8}{12}$

7. Arrange the following in descending order.

a. $\frac{6}{7}$, $\frac{1}{7}$, $\frac{8}{7}$, $\frac{5}{7}$, $\frac{4}{7}$

b. $\frac{8}{16}$, $\frac{11}{16}$, $\frac{14}{16}$, $\frac{10}{16}$

c. $\frac{2}{20}$, $\frac{11}{20}$, $\frac{15}{20}$, $\frac{18}{20}$, $\frac{20}{20}$

d. $\frac{1}{8}$, $\frac{7}{8}$, $\frac{2}{8}$

8. Add

a. $\frac{4}{10} + \frac{5}{10}$

b. $\frac{14}{17} + \frac{0}{17}$

c. $\frac{2}{7} + \frac{5}{7}$

d. $\frac{9}{15} + \frac{4}{15}$

e. $\frac{8}{13} + \frac{5}{13}$

f. $\frac{6}{9} + \frac{2}{9}$

9. Subtract

a. $\frac{8}{10} - \frac{5}{10}$

b. $\frac{13}{15} - \frac{9}{15}$

c. $\frac{4}{6} - \frac{4}{6}$

d. $\frac{12}{14} - \frac{9}{14}$

e. $\frac{10}{13} - \frac{8}{13}$

f. $\frac{7}{9} - \frac{1}{9}$

10. Find the fraction in each of the following.

a) $\frac{7}{9}$ of 36

b) $\frac{1}{2}$ of 24

c) $\frac{3}{8}$ of 48

d) $\frac{4}{7}$ of 49

e) $\frac{8}{11}$ of 99

f) $\frac{4}{5}$ of 50

11. Find the fraction in each of the following.

a) $\frac{5}{6}$ of a day (in hours)

b) $\frac{2}{3}$ of a dozen

c) $\frac{4}{10}$ of an hour (in minutes)

d) $\frac{3}{7}$ of a week (in days)

e) $\frac{1}{4}$ of 1kg (in gram)

f) $\frac{3}{4}$ of 1litre (in milli litre)

12. Use the pictures to write the improper fractions and then convert them into mixed numbers.
(Hint: The number of parts in each shape gives you the denominator)

	Shapes	Improper fractions	Mixed numbers
a)		$\frac{\square}{2}$	
b)			
c)			

13. Convert these improper fractions into mixed numbers.

a) $\frac{9}{6}$ b) $\frac{5}{2}$ c) $\frac{14}{8}$

d) $\frac{7}{3}$ e) $\frac{19}{9}$ f) $\frac{17}{5}$

14. Convert these improper fractions into whole numbers.

a) $\frac{12}{3}$ b) $\frac{18}{9}$ c) $\frac{64}{8}$ d) $\frac{27}{3}$ e) $\frac{55}{11}$ f) $\frac{72}{12}$

15. Convert these mixed numbers into improper fractions.

a) $4\frac{1}{2}$ b) $9\frac{2}{6}$ c) $7\frac{1}{9}$ d) $3\frac{2}{7}$ e) $8\frac{4}{5}$ f) $15\frac{1}{2}$