



INDIAN SCHOOL NIZWA-WORKSHEET

	MATHEMATICS	
	CH.7 – Fractions	
Name: _____	Date: _____	Class: VI Sec: ___

I. MULTIPLE CHOICE QUESTIONS:

- Find the equivalent fraction of $\frac{18}{27}$ with denominator 9.
a) $\frac{2}{9}$ b) $\frac{6}{9}$ c) $\frac{4}{9}$ d) $\frac{9}{12}$
- The simplest form of $\frac{18}{27}$ is:
a) $\frac{4}{6}$ b) $\frac{6}{9}$ c) $\frac{2}{3}$ d) $\frac{18}{27}$
- What fraction of a day is 8 hours?
a) $\frac{4}{3}$ b) $\frac{3}{4}$ c) $\frac{1}{3}$ d) $\frac{4}{5}$
- The sum of the fractions of $\frac{1}{18}$ and $\frac{1}{18}$ is :
a) $\frac{1}{18}$ b) $\frac{1}{9}$ c) $\frac{18}{36}$ d) $\frac{2}{36}$
- Which of the following fractions is greater than 1?
a) $\frac{4}{7}$ b) $\frac{2}{3}$ c) $\frac{5}{4}$ d) $\frac{33}{78}$
- If fractions $\frac{5}{4}$ and $\frac{x}{8}$ are equivalent fractions, then the value of x is:
a) 8 b) 10 c) 4 d) 2
- The number of whole units in the given fraction $\frac{17}{8}$ is:
a) 3 b) 17 c) 2 d) 8
- Which of the following pairs of fractions are unlike?
a) $\frac{7}{15}, \frac{8}{15}$ b) $\frac{8}{20}, \frac{9}{20}$ c) $\frac{4}{12}, \frac{5}{12}$ d) $\frac{5}{14}, \frac{7}{15}$
- Dev bought 2 kg apples, $3\frac{1}{4}$ kg oranges and $1\frac{3}{4}$ kg of pears. Find the total weight of fruits that Dev bought.
a) 7 kg b) 6 kg c) $6\frac{1}{2}$ kg d) $7\frac{1}{4}$ kg
- Sara mixes $\frac{2}{3}$ litres of yellow paint with $\frac{3}{4}$ litres of blue paint to make green paint. The volume of green paint she has made is:
a) $1\frac{5}{12} l$ b) $\frac{5}{7} l$ c) $2\frac{5}{12} l$ d) $\frac{15}{12} l$

II. Fill in the blanks:

11. When two or more fractions represent the same amount are called _____ fractions.
12. The mixed fraction $3\frac{2}{5}$ can be written in improper fraction as _____
13. The fractions whose numerator and denominator have no common factor other than 1 is said to be in its _____ form.
14. A fraction having 1 as its numerator is called _____ fraction.
15. Ali divided a fruit cake equally among six friends. Part of cake each person gets is _____

III. Answer the following questions:

16. Represent the following fractions on number line: $\frac{5}{12}, \frac{7}{12}, \frac{1}{12}, \frac{11}{12}$
17. Write the following fractions as mixed numbers and figure out the number of whole units in each fraction:
 - a) $\frac{14}{4}$
 - b) $\frac{53}{15}$
 - c) $\frac{65}{12}$
18. Write three fractions equivalent to $\frac{5}{8}$.
19. Express the following mixed fractions as improper fractions:
 - a) $7\frac{2}{5}$
 - b) $5\frac{3}{7}$
 - c) $9\frac{5}{12}$
20. Arrange the following fractions in ascending order: $\frac{2}{3}, \frac{2}{6}, \frac{5}{9}, \frac{1}{12}$
21. Reduce the following fractions to its lowest term:
 - a) $\frac{36}{60}$
 - b) $\frac{91}{130}$
22. Check whether the given fractions are equivalent or not:
 - a) $\frac{4}{5}$ and $\frac{7}{9}$
 - b) $\frac{7}{12}$ and $\frac{35}{60}$
23. Add or subtract the following using Brahmagupta's method:
 - a) $\frac{2}{5} + \frac{3}{4}$
 - b) $\frac{2}{7} + \frac{3}{5} + \frac{1}{14}$
 - c) $\frac{5}{9} - \frac{7}{18}$

IV. Case Study:

24. A survey of class VI was conducted to check the interest of the students in various sports. In a class of 40 students, 20 students like Cricket, 15 like Badminton, 3 like Table-tennis and rest like other games.

Read the passage carefully and answer the questions based on it.

i) What fraction of students like badminton?

- (a) $\frac{2}{4}$ (b) $\frac{5}{4}$ (c) $\frac{1}{4}$ (d) $\frac{3}{8}$

(ii) Write the equivalent fraction of the fraction of students who like table tennis?

- (a) $\frac{2}{40}$ (b) $\frac{6}{80}$ (c) $\frac{1}{20}$ (d) $\frac{1}{15}$

(iii) What fraction of students like other games?

- (a) $\frac{2}{40}$ (b) $\frac{3}{40}$ (c) $\frac{15}{40}$ (d) $\frac{1}{40}$