BCM SCHOOL,CHANDIGARH ROAD,LUDHIANA
(A SENIOR SECONDARY SCHOOL OF BCM FOUNDATION
AFFILIATED TO CBSE,NEW DELHI)
Revision Assignment
(Class-VI)FRACTIONS

Objectivetype:-

1. A fraction in which numerator is smaller than denominator is called a—
A. Improper fraction
B. Proper fraction
C. Mixed fraction
D. Whole number

2. Which of the following is an improper fraction?
A. $\frac{3}{7}$
B. $\frac{5}{9}$
C. $\frac{9}{5}$
D. $\frac{4}{8}$

3. The fraction $\frac{2}{3}$ is equal to —
A. $\frac{4}{6}$
B. $\frac{6}{9}$
C. Both A and B
D. None of these

4. Which of the following represents a mixed fraction?
A. $\frac{4}{8}$
B. $\frac{5}{9}$
C. $2\frac{1}{2}$
D. $\frac{3}{9}$

5. What is the reciprocal of $\frac{4}{5}$?
A. $\frac{5}{4}$

B. $\frac{4}{5}$
C. $\frac{1}{4}$
D. $\frac{5}{1}$

6. Simplify: $\frac{3}{8}+\frac{5}{6}$= ?

A. $\frac{8}{16}$
B. 1
C. $\frac{29}{24}$
D. $\frac{7}{8}$

7. To compare two fractions with different denominators, we —

A. Compare their numerators only
B. Make denominators same
C. Divide numerator by denominator
D. Add them first

8. The fraction that represents one whole is—

A. $\frac{2}{4}$
B. $\frac{3}{3}$
C. $\frac{1}{2}$
D. $\frac{5}{10}$

9. If $\frac{3}{4}$ part of a cake is eaten,how much part is left?

A. $\frac{1}{4}$
B. $\frac{1}{2}$
C. $\frac{3}{4}$
D. $\frac{1}{3}$

10. Arrange in ascending order:$\frac{2}{3},\frac{5}{6},\frac{1}{2}$

A. $\frac{1}{2},\frac{2}{3},\frac{5}{6}$
B. $\frac{2}{3},\frac{5}{6},\frac{1}{2}$
C. $\frac{5}{6},\frac{1}{2},\frac{2}{3}$
D. $\frac{1}{2},\frac{5}{6},\frac{2}{3}$

Subjective type:-

11. Find the missing fractions :- $\frac{9}{10} - \ - = \frac{7}{10}$

12. A thread $\frac{5}{9}$ m long cut into two pieces. One piece was $\frac{1}{3}$ m long.

How long is the other piece?

13. Find the equivalent fraction of $\frac{2}{3}$ having denominator 12.

14. Add the difference of $\frac{7}{10}$and $\frac{2}{10}$ to $\frac{8}{20}$.

15. Two kid vihaan and vijay have the glass of same size partly filled with milk. Vihaan glass is $\frac{5}{6}$th full and vijay's glass is $\frac{2}{5}$th full. Whose glass is more full? By what fraction?

AssertionReason

(a) Both assertion and reason are correct and reason is the correct explanation for assertion.
(b) Both assertion and reason are correct but reason is not correct explanation for assertion.
(c) Assertion is correct but reason is false.
(d) Assertion is false but reason is correct.

1. Assertion(A):Every proper fraction is less than 1.
   Reason(R):In a proper fraction, the numerator is smaller than the denominator.

2. Assertion(A):A mixed fraction is smaller than 1.
   Reason(R):In a mixed fraction, there is a whole number and a proper fraction.

Case Study 1

It was Anaya's birthday!
She brought a big cake to school to share with her friends.
There were 8 equal slices of cake. Anaya ate 2 slices.Her best

friend Maher ate 1 slice.The rest were shared equally among 3 classmates.

Answer the following question:-

a) What fraction of the cake did Maher eat?

b) How much of the cake was eaten together by Anaya and Maher?

c) What fraction of the cake was left?

Case Study 2

During a friendly cricket match between TeamA and TeamB, The players 'scores were recorded as fractions of the total 100 runs scored by their team.

For Team A,

Rohan scored $\frac{2}{5}$ of the total runs, Karan scored $\frac{3}{10}$, and The rest were scored by other players.

For Team B,

Sameer scored $\frac{1}{4}$, Arjun scored $\frac{2}{5}$, and the rest were scored by other players. Answer the following:

a) What fractions of runs were scored by other players in Team A?

b) What fractions of runs were scored by other players in Team B?

c) Who contributed more to their team—Rohan or Arjun?

HOTS:-

1. Two friends, A and B, had cakes. A ate $\frac{2}{5}$ of his cake and B ate $\frac{3}{7}$ of hers. Who ate the larger portion and by how much?

2. A painter used $\frac{2}{3}$ liters of blue paint and $\frac{3}{5}$ liters of red paint to make purple colour. What fraction of a litre of paint did he use in total?

Also, did he use more or less than 1 litre of paint?

3. Neha ran $\frac{3}{4}$ km and Riya ran $\frac{7}{8}$ km.
How much more distance did Riya run than Neha?

4. If $\frac{2}{3}=\frac{x}{9}$, find the value of x.

Answers:-

Objective:-1(b), 2(c), 3(c), 4(c), 5(a), 6(c), 7(b), 8(b),9(a), 10(a)

Subjective:- 11.$\frac{2}{10}$, 12.$\frac{2}{9}$,13.$\frac{8}{12}$, 14.$\frac{9}{10}$ 15. Vihaan's glass is more full by $\frac{13}{30}$.

Assertion reason:-1(a), 2(d)

Case Study1

a) $\frac{1}{8}$ $b)\frac{3}{8}$ $c)\frac{5}{8}$

Case Study 2

a)$\frac{3}{10}$ $b)$ $\frac{7}{20}$ c) Equa lContribution

HOTS :-

1.B ate larger portion by 1/35 of cake, 2.$\frac{19}{15}$,more, 3. $\frac{1}{8}$, 4.x=6