CHAPTER 3

FRACTIONS

WORKSHEET

Question 1.
Fill in the blanks: -
i. A fraction is a number which can be written in the form a/b, where a, b are _____numbers and b ≠ 0.
ii. If numerator and denominator of a fraction have no common factor other than 1, then the fraction is said to be in its_____ form.
iii. If $\frac{c}{d} = \frac{m \, X \, a}{m \, X \, b}$,then fractions $\frac{a}{b}$ and $\frac{c}{d}$ are called_____ fractions because they represent the _____portion of the whole.
iv. The value of the product of two proper fractions is_____ than each of the two fractions.
v. The product of two improper fractions is_____ than the two fractions.
vi. A fraction whose denominator is any of the numbers 10,000, 1000 etc, called a_____

vii. The product of a proper and an improper fraction is_____ than the improper fraction and _____then the proper fraction.

Question 2.
State true / false.
i. A decimal fraction is a fraction where the denominator is 10 or higher power of 10.
ii. Every integer can be expressed as a fraction.
iii. Natural numbers can be expressed as a proper fraction.
iv. The reciprocal of $\frac{2}{7}$ is $\frac{7}{2}$.
v. The reciprocal of a proper fraction is a proper fraction.
vi. The reciprocal of an improper fraction is an improper fraction
vii. The product of 7 and $3\frac{6}{4}$ is $31\frac{1}{2}$.

Question 3.
If 12 inches = 1 foot (ft) then change 549 inches into ft.

Question 4.
A fruit seller buys 712 fruits, of which $\frac{3}{4}$are apples. Of all the apples that he bought, $\frac{1}{3}$ were found to be rotten. If he sold all the good apples at Rs. $5\frac{1}{4}$ each. How much money did he receive on selling all the good apples?

Question 5.A motor cycle runs 31 ¼ km consuming 1 litre of petrol. How much distance will it run consuming 1 3/5 litre of petrol?

Question 6. A rectangular park has length = $23\frac{2}{5}$ m and breadth = $16\frac{2}{3}$ m. Find the area of the park.

Question 7

$$\frac{1}{4\frac{2}{7}} + \frac{1}{3\frac{11}{13}} + \frac{1}{\frac{5}{9}}$$

Question 8

The picture interprets

a. $3 \times \frac{1}{4}$ b. $3 \div \frac{1}{4}$ c. $\frac{1}{4} \div 3$ d. $3 \times \frac{3}{4}$

Question 9

The picture interprets

a. $4 \times \frac{1}{4}$ b. $4 \div \frac{1}{4}$ c. $\frac{1}{4} \div 4$ d. $3 \times \frac{3}{4}$

Question10. Out of 24 kg of wheat, 5/6th of wheat is consumed. Find, how much wheat is still left?