MATHEMATICS

Class-7th

Chapter-02

Fractions and Decimals

Self-Practice

part-II

By:-A.K.Jha

Q.1. Find: $\frac{1}{3}$ of (i) $\frac{3}{4}$ (ii) $\frac{3}{7}$ (iii) $\frac{4}{9}$

Q.2. Multiply and reduce to lowest form:

(i) $\frac{2}{7} \times \frac{3}{7}$ (iii) $\frac{3}{8} \times \frac{4}{6}$

(ii) $\frac{5}{9} \times \frac{5}{3}$ (iv) $\frac{1}{3} \times \frac{8}{15}$

Q.3. If the fraction obtained is _improper_ then convert it into a _mixed_ fraction.

(i) $\frac{2}{3} \times 5\frac{2}{4}$ (ii) $6\frac{3}{5} \times \frac{8}{9}$

(iii) $\frac{3}{4} \times 5\frac{2}{3}$ (iv) $\frac{5}{6} \times 2\frac{4}{9}$

Q.4. Which is _greater_?

$\frac{2}{5}$ of $\frac{3}{4}$ OR $\frac{3}{5}$ of $\frac{4}{7}$.

Q.5. A farmer has 192 animals of which $\frac{7}{16}$ are cattle. Of cattle $\frac{2}{3}$ are dairy cows. How many dairy cows he has?

Q.6. A vehicle uses $2\frac{1}{3}$ litres of petrol in 1 hr. How many litres of petrol will be required to run the vehicle for $7\frac{1}{2}$ hrs.

→ P.T.O.→

Q.7. Rakesh reads a book for $2\frac{1}{4}$ hours everyday. He reads the entire book in 6 days. How many hours in all were required by him to read the book?

Q.8. A car runs 15 km using 1 litre of petrol. How much distance will it cover using $3\frac{2}{5}$ litres of petrol?

Q.9. 16 litres of milk is available. How many glasses of milk can be made when the capacity of a glass is $\frac{1}{2}$ litre?

Q.10: $11\frac{1}{5}$ kg of rice is given to a family of 4 adults for a week. How much rice (in kg) is given to a person per day?

Q.11. In a class of 48 students, $\frac{1}{4}$ of them passed with distinction. How many students could not get distinction?

Q.11. Find reciprocal of each of the following fraction and express in mixed fraction it possible.
(i) 3/7   (ii) 8/15   (iii) 4/9.