Division of Fractional Numbers

1. **Find the reciprocal of each of following fractions:-**

   A. $\frac{3}{7} =$ _____ _____ B. $\frac{9}{5} =$ _____ _____ C. $\frac{1}{11} =$ _____ _____

   D. $\frac{5}{21} =$ _____ _____ E. $\frac{25}{8} =$ _____ _____ F. $\frac{13}{5} =$ _____ _____

   Also classify the new fractions as proper (P), improper (IP) and whole numbers (W).

2. **Find the value of:-**

   A. $7 \div \frac{3}{5} =$ _____ B. $6 \div \frac{7}{8} =$ _____ C. $5\frac{1}{6} \div 2\frac{1}{2} =$ _____

   D. $\frac{4}{9} \div \frac{2}{3} =$ _____ E. $2\frac{1}{3} \div \frac{3}{5} =$ _____ F. $\frac{2}{5} \div 1\frac{1}{2} =$ _____

3. **Divide:-**

   A. $5\frac{1}{3}$ by 12

   B. $7\frac{2}{9}$ by 26

   C. $16\frac{2}{3}$ by $2\frac{2}{9}$

4. **By what number should $5\frac{5}{8}$ be multiplied to get $37\frac{1}{2}$?**

5. **Mihir can cover a distance of $20\frac{5}{7}$ km in $6\frac{2}{3}$ hours on foot. How many km per hour does he walk?**

6. **If the cost of a silk chocolate is $70\frac{6}{7}$ how many chocolates can be purchased for $210\frac{4}{5}$?**

7. **The product of two fractions is 16 $\frac{1}{2}$. If one of the fractions is16 $\frac{2}{3}$, find the other.**

8. **The area of a rectangular room is 67 $\frac{1}{2}$ square metres. If its breadth is 7 $\frac{1}{2}$ metres, find its length.**

9. **A rope of length 8 $\frac{3}{4}$ metres has been divided into 8 pieces of the same length. What is the length of each piece?**

10. **Kaveri reads $\frac{3}{7}$ of a book. He finds that there are still 56 pages left to be read. How many pages are there in the book?**