

Fractions: Addition, Subtraction, Multiplication, Division

Assignment 1

Due Date: June 4, 2025.

1. Find:

a. $2\frac{1}{4} \times 1\frac{5}{5} \times 3\frac{1}{3}$

b. $17\frac{2}{5} \times 2\frac{2}{29}$

c. $\frac{6}{7}$ of 42

d. $8\frac{1}{6} \div 4\frac{2}{3}$

e. $84 \div 7\frac{7}{8}$

- The multiplicative inverse of $1\frac{2}{3}$ is _____.
- Find the fraction by which $16\frac{7}{11}$ is multiplied to get 122.
- A bag can hold 96 kg of sugar. How much sugar is there in the bag when it is $\frac{5}{8}$ full?
- The product of two fractions is 5. If one of them is $13\frac{4}{7}$, find the other.
- An aeroplane covers 1020 km in an hour. How much distance will it cover in $4\frac{1}{6}$ hours?
- Find the perimeter of a rectangular park whose length and breadth are $45\frac{1}{2}$ m and $34\frac{3}{4}$ m respectively. [Hint: Perimeter of rectangle is sum of its all four sides.]
- 14 tins hold $178\frac{1}{2}$ litres of oil. How much oil is there in 1 tin?
- A bag of salt weighs $2\frac{1}{4}$ kg. If $40\frac{1}{2}$ kg salt is to be put in such bags, how many bags will be required?
- Mona cuts $36\frac{1}{8}$ m of cloth into 17 pieces of equal lengths. What is the length of each piece?
