

Examples:

$$\text{a) } 4\frac{1}{5} + 1\frac{1}{3} = 5 + \frac{3}{15} + \frac{5}{15} = 5\frac{8}{15}$$

$$\text{b) } 4\frac{4}{5} - 1\frac{1}{10} = 3\frac{8}{10} - \frac{1}{10} = 3\frac{7}{10}$$

$$\text{c) } 2\frac{2}{3} \times 1\frac{4}{5} = \frac{8}{3} \times \frac{9}{5} = \frac{72}{15} = 4\frac{4}{5}$$

$$\text{d) } 2\frac{2}{5} \div 1\frac{1}{2} = \frac{12}{5} \div \frac{3}{2} = \frac{12}{5} \times \frac{2}{3} = \frac{24}{15} = \frac{8}{5} = 1\frac{3}{5}$$

Exercise:

$$1. \quad 5\frac{1}{3} + 1\frac{1}{4} = \mathbf{6\frac{7}{12}}$$

$$9. \quad 1\frac{4}{5} \div \frac{3}{10} = \mathbf{6}$$

$$2. \quad 2\frac{4}{5} \times 1\frac{2}{3} = \mathbf{4\frac{2}{3}}$$

$$10. \quad 1\frac{3}{5} \times \frac{3}{4} = \mathbf{1\frac{1}{5}}$$

$$3. \quad 5\frac{2}{3} - 3\frac{1}{6} = \mathbf{2\frac{1}{2}}$$

$$11. \quad 1\frac{3}{4} + 3\frac{1}{8} = \mathbf{4\frac{7}{8}}$$

$$4. \quad 2\frac{1}{2} \div 1\frac{3}{4} = \mathbf{1\frac{3}{7}}$$

$$12. \quad 1\frac{1}{6} \div 2\frac{4}{5} = \mathbf{\frac{5}{12}}$$

$$5. \quad 8\frac{1}{4} + 1\frac{2}{3} = \mathbf{9\frac{11}{12}}$$

$$13. \quad 2\frac{3}{7} + 4\frac{1}{3} = \mathbf{6\frac{16}{21}}$$

$$6. \quad 8\frac{1}{4} - 2\frac{2}{5} = \mathbf{5\frac{17}{20}}$$

$$14. \quad 1\frac{1}{6} \div 1\frac{2}{3} = \mathbf{\frac{7}{10}}$$

$$7. \quad 5\frac{2}{5} - 3\frac{1}{2} = \mathbf{1\frac{9}{10}}$$

$$15. \quad 1\frac{3}{5} + 3\frac{1}{4} + 2\frac{1}{3} = \mathbf{7\frac{11}{60}}$$

$$8. \quad 2\frac{1}{6} \times 1\frac{1}{5} = \mathbf{2\frac{3}{5}}$$

$$16. \quad \left(1\frac{2}{3}\right)^2 = \mathbf{2\frac{7}{9}}$$