1. $\frac{2}{3}+\frac{2}{5}=\frac{10}{15}+\frac{6}{15}=\frac{10+6}{15}=\frac{16}{15}=1 \frac{1}{15}$
2. $4 \frac{1}{2}+5 \frac{2}{3}=4+5+\frac{1}{2}+\frac{2}{3}=9+\frac{1}{2}+\frac{2}{3}=9+\frac{3}{6}+\frac{4}{6}=9+\frac{7}{6}=9+1 \frac{1}{6}=10 \frac{1}{6}$
3. $2+\frac{1}{2} \cdot \frac{1}{5}=2+\frac{1 \cdot 1}{2 \cdot 5}=2+\frac{1}{10}=2 \frac{1}{10}$
4. $\frac{1}{5}+\frac{3}{4} \cdot \frac{6}{5}=\frac{1}{5}+\frac{3}{2 \not 2} \cdot \frac{{ }^{3} \not \subset}{5}=\frac{1}{5}+\frac{3}{2} \cdot \frac{3}{5}=\frac{1}{5}+\frac{3 \cdot 3}{2 \cdot 5}=\frac{1}{5}+\frac{9}{10}=\frac{2}{10}+\frac{9}{10}=\frac{11}{10}=1 \frac{1}{10}$
5. $\frac{2}{5} \div \frac{3}{4}=\frac{2}{5} \cdot \frac{4}{3}=\frac{2 \cdot 4}{5 \cdot 3}=\frac{8}{15}$
6. $0.2 \cdot 2.5=\frac{1}{5} \cdot 2 \frac{1}{2}=\frac{1}{5} \cdot \frac{5}{2}=\frac{1 \cdot 5}{8 \cdot 2}=\frac{1}{2}=0.5$
7. $1.25 \cdot 0.8 \cdot 0.75=1 \frac{1}{4} \cdot \frac{4}{5} \cdot \frac{3}{4}=\frac{8}{4} \cdot \frac{4}{8} \cdot \frac{3}{4}=\frac{3}{4}=0.75$
8. $0.75 \div 1.25=\frac{3}{4} \div 1 \frac{1}{4}=\frac{3}{4} \div \frac{5}{4}=\frac{3}{4} \cdot \frac{A}{5}=\frac{3}{5}$
9. $\frac{2}{5}+\frac{1}{2}-\frac{1}{7}+\frac{1}{10}=\frac{2}{5}+\frac{1}{2}+\frac{1}{10}-\frac{1}{7}=\frac{4}{10}+\frac{5}{10}+\frac{1}{10}-\frac{1}{7}=$

$$
\frac{4+5+1}{10}-\frac{1}{7}=\frac{10}{10}-\frac{1}{7}=1-\frac{1}{7}=\frac{6}{7}
$$

10. $1 \frac{1}{4} \cdot \frac{4}{5}=\frac{\boxed{Z}}{4} \cdot \frac{A}{\square}=1$
11. $\frac{2}{3} \cdot 1 \frac{1}{3} \cdot 1.25 \cdot 1.2 \cdot \frac{4}{3} \cdot 0.5=\frac{2}{3} \cdot \frac{4}{3} \cdot 1 \frac{1}{4} \cdot 1 \frac{1}{5} \cdot \frac{4}{3} \cdot \frac{1}{2}=\frac{2}{3} \cdot \frac{4}{3} \cdot \frac{8}{4} \cdot \frac{8}{8} \cdot \frac{4}{8} \cdot \frac{1}{7}=\frac{2 \cdot 4}{3 \cdot 3}=\frac{8}{9}$
12. $\frac{2 \frac{3}{5}-1 \frac{2}{3}}{\frac{2}{3}-\frac{3}{5}}=\frac{\frac{13}{5}-\frac{5}{3}}{\frac{2}{3}-\frac{3}{5}}=\frac{\frac{39}{15}-\frac{25}{15}}{\frac{2}{3}-\frac{3}{5}}=\frac{\frac{14}{15}}{\frac{2}{3}-\frac{3}{5}}=\frac{\frac{14}{15}}{\frac{10}{15}-\frac{9}{15}}=\frac{\frac{14}{15}}{\frac{1}{15}}=\frac{14}{15} \cdot \frac{15}{1}=\frac{14}{15} \cdot \frac{18}{1}=\frac{14}{1}=14$
13. $\left(\frac{1}{5}\right)^{2}-\frac{1}{5} \cdot \frac{1}{4}=\left(\frac{1^{2}}{5^{2}}\right)-\frac{1 \cdot 1}{5 \cdot 4}=\left(\frac{1}{25}\right)-\frac{1}{20}=\frac{4}{100}-\frac{5}{100}=\frac{4-5}{100}=-\frac{1}{100}$
