

I.

Work by shortest method:—

A (Sight).

1. $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$	13. $\frac{1}{8} + \frac{1}{12} = \frac{2}{6}$	25. $\frac{1}{4} - \frac{1}{7} = \frac{3}{28}$
2. $\frac{1}{7} + \frac{1}{3} = \frac{10}{21}$	14. $\frac{1}{7} + \frac{1}{12} = \frac{19}{84}$	26. $\frac{1}{3} - \frac{1}{7} = \frac{4}{21}$
3. $\frac{1}{4} + \frac{1}{5} = \frac{9}{20}$	15. $\frac{1}{5} + \frac{1}{11} = \frac{16}{55}$	27. $\frac{1}{3} - \frac{1}{5} = \frac{2}{15}$
4. $\frac{1}{3} + \frac{1}{6} = \frac{1}{2}$	16. $\frac{1}{7} + \frac{1}{5} = \frac{12}{35}$	28. $\frac{1}{2} - \frac{1}{5} = \frac{3}{10}$
5. $\frac{1}{6} + \frac{1}{6} = \frac{1}{3}$	17. $\frac{1}{4} + \frac{1}{6} = \frac{5}{12}$	29. $\frac{1}{2} - \frac{1}{4} = \frac{1}{4}$
6. $\frac{1}{5} + \frac{1}{12} = \frac{17}{60}$	18. $\frac{1}{6} + \frac{1}{12} = \frac{2}{4}$	30. $\frac{1}{2} - \frac{1}{3} = \frac{1}{6}$
7. $\frac{1}{2} + \frac{1}{5} = \frac{7}{10}$	19. $\frac{1}{3} - \frac{1}{4} = \frac{1}{12}$	31. $\frac{1}{5} - \frac{1}{6} = \frac{1}{30}$
8. $\frac{1}{6} + \frac{1}{7} = \frac{13}{42}$	20. $\frac{1}{3} - \frac{1}{6} = \frac{1}{6}$	32. $\frac{1}{8} - \frac{1}{9} = \frac{1}{72}$
9. $\frac{1}{4} + \frac{1}{8} = \frac{3}{8}$	21. $\frac{1}{2} - \frac{1}{6} = \frac{1}{3}$	33. $\frac{1}{6} - \frac{1}{12} = \frac{1}{12}$
10. $\frac{1}{8} + \frac{1}{7} = \frac{15}{56}$	22. $\frac{1}{2} - \frac{1}{8} = \frac{3}{8}$	34. $\frac{1}{11} - \frac{1}{12} = \frac{1}{132}$
11. $\frac{1}{5} + \frac{1}{6} = \frac{11}{30}$	23. $\frac{1}{5} - \frac{1}{6} = \frac{1}{30}$	35. $\frac{1}{5} - \frac{1}{10} = \frac{1}{10}$
12. $\frac{1}{8} + \frac{1}{9} = \frac{17}{72}$	24. $\frac{1}{4} - \frac{1}{6} = \frac{1}{12}$	36. $\frac{1}{10} - \frac{1}{11} = \frac{1}{110}$

B (Sight).

1. $\frac{1}{4} + \frac{3}{5} = \frac{13}{20}$	11. $\frac{2}{9} + \frac{5}{6} = \frac{17}{18}$	21. $\frac{4}{5} - \frac{2}{3} = \frac{2}{15}$
2. $\frac{1}{3} + \frac{4}{5} = \frac{17}{15}$	12. $\frac{2}{3} + \frac{4}{5} = \frac{22}{15}$	22. $\frac{3}{4} - \frac{1}{8} = \frac{5}{8}$
3. $\frac{1}{2} + \frac{2}{3} = \frac{7}{6}$	13. $\frac{3}{4} + \frac{5}{6} = \frac{19}{12}$	23. $\frac{3}{7} - \frac{1}{6} = \frac{11}{42}$
4. $\frac{1}{2} + \frac{3}{5} = \frac{11}{10}$	14. $\frac{3}{4} + \frac{5}{7} = \frac{31}{28}$	24. $\frac{2}{3} - \frac{3}{7} = \frac{1}{21}$
5. $\frac{3}{7} + \frac{2}{5} = \frac{23}{35}$	15. $\frac{4}{9} + \frac{5}{7} = \frac{53}{63}$	25. $\frac{5}{9} - \frac{1}{3} = \frac{2}{9}$
6. $\frac{3}{5} + \frac{2}{3} = \frac{19}{15}$	16. $\frac{2}{3} - \frac{1}{2} = \frac{1}{6}$	26. $\frac{5}{7} - \frac{1}{4} = \frac{13}{28}$
7. $\frac{3}{5} + \frac{3}{4} = \frac{27}{20}$	17. $\frac{2}{3} - \frac{1}{4} = \frac{5}{12}$	27. $\frac{4}{7} - \frac{1}{2} = \frac{1}{14}$
8. $\frac{2}{3} + \frac{3}{4} = \frac{17}{12}$	18. $\frac{3}{4} - \frac{2}{3} = \frac{1}{12}$	28. $\frac{5}{7} - \frac{5}{8} = \frac{1}{56}$
9. $\frac{1}{5} + \frac{3}{4} = \frac{13}{20}$	19. $\frac{2}{5} - \frac{1}{3} = \frac{1}{15}$	29. $\frac{2}{5} - \frac{1}{8} = \frac{7}{40}$
10. $\frac{1}{4} + \frac{4}{5} = \frac{9}{10}$	20. $\frac{3}{5} - \frac{1}{2} = \frac{1}{10}$	30. $\frac{7}{8} - \frac{3}{5} = \frac{11}{40}$