

1. $\frac{11}{12} - \frac{5}{18} = \left(\frac{11}{12} \cdot \frac{3}{3}\right) - \left(\frac{5}{18} \cdot \frac{2}{2}\right) = \frac{33}{36} - \frac{10}{36} = \frac{23}{36}$
2. $\frac{7}{15} + \frac{9}{20} = \left(\frac{7}{15} \cdot \frac{4}{4}\right) + \left(\frac{9}{20} \cdot \frac{3}{3}\right) = \frac{28}{60} + \frac{27}{60} = \frac{55}{60} = \frac{11}{12}$
3. $\frac{23}{24} + \frac{7}{16} = \left(\frac{23}{24} \cdot \frac{2}{2}\right) + \left(\frac{7}{16} \cdot \frac{3}{3}\right) = \frac{46}{48} + \frac{21}{48} = \frac{67}{48}$
4. $\frac{3}{8} + \frac{7}{20} = \left(\frac{3}{8} \cdot \frac{5}{5}\right) + \left(\frac{7}{20} \cdot \frac{2}{2}\right) = \frac{15}{40} + \frac{14}{40} = \frac{29}{40}$
5. $\frac{1}{6} + \frac{4}{15} = \left(\frac{1}{6} \cdot \frac{5}{5}\right) + \left(\frac{4}{15} \cdot \frac{2}{2}\right) = \frac{5}{30} + \frac{8}{30} = \frac{13}{30}$
6. $\frac{8}{75} + \frac{3}{10} = \left(\frac{8}{75} \cdot \frac{2}{2}\right) + \left(\frac{3}{10} \cdot \frac{15}{15}\right) = \frac{16}{150} + \frac{45}{150} = \frac{61}{150}$
7. $\frac{35}{54} - \frac{7}{48} = \left(\frac{35}{54} \cdot \frac{8}{8}\right) - \left(\frac{7}{48} \cdot \frac{9}{9}\right) = \frac{280}{432} - \frac{63}{432} = \frac{217}{432}$
8. $\frac{15}{88} + \frac{3}{28} = \left(\frac{15}{88} \cdot \frac{7}{7}\right) + \left(\frac{3}{28} \cdot \frac{22}{22}\right) = \frac{105}{616} + \frac{66}{616} = \frac{171}{616}$
9. $\frac{119}{180} + \frac{17}{210} = \left(\frac{119}{180} \cdot \frac{7}{7}\right) + \left(\frac{17}{210} \cdot \frac{6}{6}\right) = \frac{833}{1260} + \frac{102}{1260} = \frac{935}{1260}$
 $= \frac{187}{252}$