

Πρόσθεση και αφαίρεση ετερόνομων κλασμάτων-Λύσεις

1. Να κάνετε τις παρακάτω πράξεις

$$\frac{5}{6} + \frac{6}{8} = \frac{\overset{4}{5}}{6} + \frac{\overset{3}{6}}{8} = \frac{20}{24} + \frac{18}{24} = \frac{38}{24} = 1 \frac{14}{24} = 1 \frac{7}{12}$$

εκπ(6,8)=24

$$\frac{1}{4} + \frac{2}{3} + \frac{1}{12} = \frac{\overset{3}{1}}{4} + \frac{\overset{4}{2}}{3} + \frac{\overset{1}{1}}{12} = \frac{4}{12} + \frac{8}{12} + \frac{1}{12} = \frac{13}{12} = 1 \frac{1}{12}$$

εκπ(4,3,12)=12

$$\frac{1}{2} + \frac{3}{4} + \frac{2}{5} + \frac{3}{8} = \frac{\overset{20}{1}}{2} + \frac{\overset{10}{3}}{4} + \frac{\overset{8}{2}}{5} + \frac{\overset{5}{3}}{8} = \frac{20}{40} + \frac{30}{40} + \frac{16}{40} + \frac{15}{40} = \frac{81}{40} = 2 \frac{1}{40}$$

εκπ(2,4,5,8)=40

$$\frac{1}{3} + \frac{8}{15} + \frac{7}{10} = \frac{\overset{10}{1}}{3} + \frac{\overset{2}{8}}{15} + \frac{\overset{3}{7}}{10} = \frac{10}{30} + \frac{16}{30} + \frac{21}{30} = \frac{47}{30} = 1 \frac{17}{30}$$

εκπ(3,15,10)=30

$$\frac{6}{7} - \frac{3}{5} = \frac{\overset{5}{6}}{7} - \frac{\overset{7}{3}}{5} = \frac{30}{35} - \frac{21}{35} = \frac{9}{35}$$

εκπ(7,5)=35

$$\frac{2}{5} - 4 \frac{3}{4} = \frac{\overset{4}{2}}{5} - \frac{\overset{5}{19}}{4} = \frac{148}{200} - \frac{95}{200} = \frac{53}{200} = 1 \frac{13}{40}$$

εκπ(5,4)=20

$$\left(12 \frac{3}{4} - 7 \frac{7}{8}\right) + 2 \frac{1}{6} = \left(12 \frac{\overset{6}{3}}{4} - 7 \frac{\overset{3}{7}}{8}\right) + 2 \frac{\overset{4}{1}}{6} = \left(12 \frac{18}{24} - 7 \frac{21}{24}\right) + 2 \frac{4}{24} = \left(11 \frac{42}{24} - 7 \frac{21}{24}\right) + 2 \frac{4}{24} = 4 \frac{21}{24} + 2 \frac{4}{24} = 6 \frac{25}{24} = 7 \frac{1}{24}$$

εκπ(4,8,6)=24