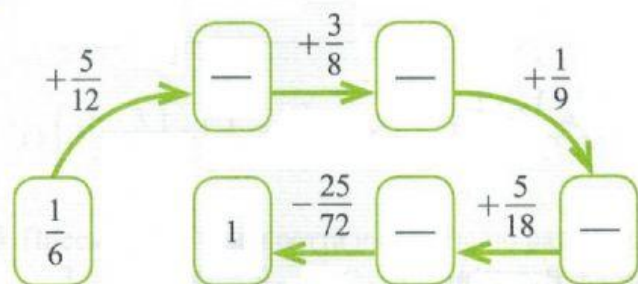


1. Пресметнете и запишете с несъкратима дроб стойността на израза:

а) $\frac{5}{12} + \frac{1}{3} = \frac{5}{12} + \frac{4}{12} = \frac{9}{12} = \frac{3}{4}$; б) $\frac{7}{24} + \frac{1}{30} = \frac{7}{24} + \frac{1}{30} = \frac{35}{120} + \frac{4}{120} = \frac{39}{120} = \frac{13}{40}$; НОК(24, 30) = 60

в) $\frac{7}{22} + \frac{1}{6} = \frac{7}{22} + \frac{1}{6} = \frac{21}{66} + \frac{11}{66} = \frac{32}{66} = \frac{16}{33}$; г) $\frac{19}{84} + \frac{5}{12} = \frac{19}{84} + \frac{35}{84} = \frac{54}{84} = \frac{9}{14}$; НОК(22, 6) = 66

2. Попълнете липсващите числа в схемата:



$\frac{1}{6} + \frac{5}{12} = \frac{2}{6} + \frac{5}{12} = \frac{4}{12} + \frac{5}{12} = \frac{9}{12} = \frac{3}{4}$; $1 - \frac{25}{72} = \frac{72}{72} - \frac{25}{72} = \frac{47}{72}$

$\frac{3}{4} + \frac{1}{9} = \frac{27}{36} + \frac{4}{36} = \frac{31}{36}$

$\frac{31}{36} - \frac{25}{72} = \frac{62}{72} - \frac{25}{72} = \frac{37}{72}$

$\frac{37}{72} + \frac{5}{18} = \frac{37}{72} + \frac{20}{72} = \frac{57}{72} = \frac{19}{24}$

3. Естественото число x в равенството

☒ $\frac{5}{12} + \frac{7}{30} = \frac{x}{20}$ е равно на:

- а) 39; б) 13;
в) 15; г) 20.

$\frac{5}{12} + \frac{7}{30} = \frac{x}{20}$ $\frac{5}{12} + \frac{7}{30} = \frac{x}{20}$ $\frac{5}{12} + \frac{7}{30} = \frac{x}{20}$

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НОК(12, 20, 30) = 60

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4. Стойността на израза $\left(\frac{9}{16} + \frac{7}{8}\right) - \frac{15}{16}$ е:

- ☒ а) $\frac{3}{8}$; б) $\frac{1}{2}$; в) $\frac{7}{16}$; г) $\frac{1}{16}$.

$\left(\frac{9}{16} + \frac{7}{8}\right) - \frac{15}{16} = \left(\frac{9}{16} + \frac{14}{16}\right) - \frac{15}{16} = \frac{23}{16} - \frac{15}{16} = \frac{8}{16} = \frac{1}{2}$

5. Сборът $\frac{1}{3} + \left(\frac{1}{30} + \frac{1}{300}\right)$ е равен на:

- ☒ а) $\frac{1}{100}$; б) $\frac{37}{100}$; в) $\frac{111}{333}$; г) $\frac{37}{300}$.

$\frac{1}{3} + \left(\frac{1}{30} + \frac{1}{300}\right) = \frac{1}{3} + \left(\frac{10}{300} + \frac{1}{300}\right) = \frac{1}{3} + \frac{11}{300} = \frac{100}{300} + \frac{11}{300} = \frac{111}{300} = \frac{37}{100}$

$\frac{111}{300} = \frac{37}{100}$

6. Стойността на израза $\left(\frac{13}{27} - \frac{4}{27}\right) + \left(\frac{2}{9} + \frac{1}{3}\right)$ е:

- ☒ а) $\frac{23}{27}$; б) $\frac{26}{27}$;
в) $\frac{7}{9}$; г) $\frac{8}{9}$.

$\left(\frac{13}{27} - \frac{4}{27}\right) + \left(\frac{2}{9} + \frac{1}{3}\right) = \left(\frac{13}{27} - \frac{4}{27}\right) + \left(\frac{2}{9} + \frac{1}{3}\right) = \frac{9}{27} + \frac{4}{9} = \frac{9}{27} + \frac{12}{27} = \frac{21}{27} = \frac{7}{9}$

$\frac{7}{9}$