Վարժ.854

Ա)4x $\frac{1}{5}$ + 4 x $\frac{3}{7}$ – 4 x $\frac{1}{35}$

1. 4x $\frac{1}{5}$ = $\frac{4x1}{1x5}$ = $\frac{4}{5}$
2. 4 x $\frac{3}{7}$ = $\frac{4x3}{1x7}$ = $\frac{12}{7}$
3. $\frac{4}{5}$ + 4 =

[5;1]=

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Ա) $\frac{\left(\frac{3}{4}-\frac{1}{3}\right):\frac{5}{7}}{(\frac{1}{4}+\frac{2}{3})x\frac{6}{11}}$ = $\frac{7}{6}$

1. $\frac{3}{4}$ - $\frac{1}{3}$ = $\frac{9-4}{12}$ = $\frac{5}{12}$

[4;3]=4x3=12

1. $\frac{5}{12}$ : $\frac{5}{7}$ = $\frac{5}{12}$ x $\frac{7}{5}$ = $\frac{1}{12}$ x $\frac{7}{1}$ = $\frac{7}{12}$
2. $\frac{1}{4}$ + $\frac{2}{3}$ = $\frac{3+8}{12}$ = $\frac{11}{12}$

[4;3]=2x2x3=12

1. $\frac{11}{12}$ x $\frac{6}{11}$ = $\frac{1}{2}$ x $\frac{1}{1}$ = $\frac{1}{2}$
2. $\frac{7}{12}$ : $\frac{1}{2}$ = $\frac{7}{12}$ x $\frac{2}{1}$ = $\frac{7}{6}$ x $\frac{1}{1}$ = $\frac{7}{6}$

Բ) $\frac{\frac{3}{20}x\left(\frac{7}{12}-\frac{1}{2}\right)+\frac{79}{80}}{\frac{13}{24}:\left(\frac{7}{12}+\frac{1}{2}\right)-\frac{1}{4}}$ =4

1. $\frac{7}{12}$ - $\frac{1}{2}$ = $\frac{7-6}{12}$ = $\frac{1}{12}$

[12;2]=12

12 2

6 2

3 3

1

1. $\frac{3}{20}$ x $\frac{1}{12}$ = $\frac{1}{20}$ x $\frac{1}{4}$ = $\frac{1}{80}$
2. $\frac{1}{80}$ + $\frac{79}{80}$ = $\frac{1+79}{80}$ =$\frac{80}{80}$=1
3. $\frac{7}{12}$ + $\frac{1}{2}$ = $\frac{7+6}{12}$ = $\frac{13}{12}$
4. $\frac{13}{24}$ : $\frac{13}{12}$ = $\frac{13}{24}$ x $\frac{12}{13}$ = $\frac{1}{2}$ x $\frac{1}{1}$ = $\frac{1}{2}$
5. $\frac{1}{2}$ - $\frac{1}{4}$ = $\frac{2-1}{4}$ = $\frac{1}{4}$
6. 1:$ \frac{1}{4}$ = $\frac{1}{1}$ x $\frac{4}{1}$ = 4

Գ) $\frac{\left(3+\frac{7}{11}\right)x\frac{1}{4}-\frac{1}{22}}{\left(5-\frac{3}{11}\right):13+\frac{1}{2}}$ =

1. 3 + $\frac{7}{11}$ = $\frac{33+7}{11}$ = $\frac{40}{11}$
2. $\frac{40}{11}$ x $\frac{1}{4}$ = $\frac{10}{11}$ x $\frac{1}{1}$ = $\frac{10}{11}$
3. $\frac{10}{11}$ - $\frac{1}{22}$ = $\frac{20-1}{22}$ = $\frac{19}{22}$
4. 5 - $\frac{3}{11}$ = $\frac{55-3}{11}$ = $\frac{52}{11}$
5. $\frac{52}{11}$ : 13 = $\frac{52}{11}$ x $\frac{1}{13}$ = $\frac{52}{143}$
6. $\frac{52}{143}$ + $\frac{1}{2}$ = $\frac{104+143}{286}$ = $\frac{247}{286}$
7. $\frac{19}{22}$ : $\frac{247}{286}$ = $\frac{19}{22}$ x $\frac{286}{247}$ = $\frac{1}{1}$ x $\frac{13}{13}$ = $\frac{13}{13}$ = 1

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Ա) $\frac{5}{\frac{2}{3}}$ = $\frac{15}{2}$

5: $\frac{2}{3}$ = $\frac{5}{1}$ x $\frac{3}{2}$ = $\frac{15}{2}$

Բ) $\frac{\frac{5}{2}}{3}$ = $\frac{5}{6}$

$\frac{5}{2}$ : 3 = $\frac{5}{2}$ x $\frac{1}{3}$ = $\frac{5}{6}$

Գ) $\frac{\frac{3}{4}}{\frac{9}{16}}$ = $\frac{4}{3}$

$\frac{3}{4}$ : $\frac{9}{16}$ = $\frac{3}{4}$ x $\frac{16}{9}$ = $\frac{1}{1}$ x $\frac{4}{3}$ = $\frac{4}{3}$

Դ) $\frac{\frac{5}{17}}{\frac{15}{34}}$ = $\frac{2}{3}$

$\frac{5}{17}$ : $\frac{15}{34}$ = $\frac{5}{17}$ x $\frac{34}{15}$ = $\frac{1}{1}$ x $\frac{2}{3}$ = $\frac{2}{3}$

Ե) $\frac{3}{\frac{1}{2}+\frac{1}{4}}$ = $\frac{4}{1}$

$\frac{1}{2}$ + $\frac{1}{4}$ = $\frac{2+1}{4}$ = $\frac{3}{4}$

[2;4]= 4

2 2

1

4 2

2 2

1

3 : $\frac{3}{4}$ = $\frac{3}{1}$ x $\frac{4}{3}$ = $\frac{1}{1}$ x $\frac{4}{1}$ = $\frac{4}{1}$