OPERACIONES CON FRACCIONES

1) $\frac{8}{5}\left[\frac{2}{7}+\left(\frac{-1}{5}\right)+\frac{2}{3}\right]$

2) $\frac{5}{3}\cdot\frac{1}{3}\left[\frac{1}{5}+\frac{1}{7}\right]\left(\frac{-1}{3}\right)$

3) $\frac{3}{4}\left[\frac{2}{7}+\frac{3}{4}\right]\frac{5}{7}$

4) $\left[\left(\frac{-1}{4}\right)+\frac{1}{5}\right]\frac{7}{4}+\frac{1}{5}$

5) $\left[\frac{2}{7}+\left(\frac{3}{-4}\right)+\frac{1}{7}\right]\frac{3}{4}$

6) $\frac{8}{3}\left[\frac{5}{4}+\left(\frac{-2}{7}\right)\right]+\frac{3}{7}$

7) $\left(\frac{8}{3}+\frac{1}{5}\right)\cdot\left(\frac{3}{4}+\frac{5}{3}\right)+\frac{1}{7}$

8) $\left(\frac{3}{5}\cdot\frac{8}{4}\right)+\left[\frac{7}{3}\cdot\left(\frac{-1}{5}\right)\right]+\frac{3}{7}$

9) $\frac{4}{3}\cdot\left(\frac{2}{5}+\frac{1}{7}\right)\cdot\left(-\frac{2}{3}\right)$

10) $\left(\frac{2}{3}+\frac{1}{5}-\frac{1}{7}\right)\cdot\frac{1}{3}\cdot\frac{1}{5}$

11) $\frac{3}{4}\left(\frac{2}{5}+\frac{1}{7}\right)+\frac{2}{7}\left(\frac{4}{3}+\frac{9}{8}\right)$

12) $\left(\frac{2}{7}+\frac{2}{7}\right)\cdot\frac{3}{4}+\frac{1}{5}$

13) $\left(\frac{7}{8}+\frac{3}{4}\right)\cdot\left(\frac{1}{3}+\frac{2}{7}\right)+\frac{3}{4}$

14) $\left(\frac{-2}{3}\right)\cdot\left(\frac{8}{-5}\right)+\left(-\frac{3}{4}\cdot\frac{4}{3}\right)$

15) $\frac{3}{5}\cdot\frac{8}{4}\cdot\frac{3}{9}\cdot\left[\frac{2}{5}+\frac{1}{7}\right]$

16) $\frac{2}{7}\cdot\left[\left(\frac{3}{4}+\frac{2}{7}\right):\left(\frac{1}{9}-\frac{2}{5}\right)\right]$

17) $\left(\frac{7}{4}+\frac{2}{7}-\frac{1}{5}\right):\left(\frac{2}{4}+\frac{1}{9}-\frac{1}{10}\right)$

18) $\left(\frac{3}{9}:\frac{4}{3}\right)-\left(\frac{2}{7}:\frac{3}{9}\right)+\frac{2}{5}$

19) $\left[\left(3+\frac{5}{9}\right):\left(\frac{3}{7}-5\right)\right]+\frac{2}{7}$

20) $\left[\left(\frac{4}{9}+\frac{8}{3}\right):\left(\frac{4}{5}-\frac{1}{7}\right)\right]:\frac{3}{8}$

21) $\left(3+\frac{4}{5}\right)\cdot\left(\frac{1}{2}:\frac{3}{2}\right)$

22) $\left[\left(\frac{1}{5}+\frac{1}{7}+\frac{3}{8}\right)-\frac{1}{7}\right]:\left(\frac{2}{3}+\frac{1}{4}\right)$

23) $\left[\left(\frac{1}{5}:\frac{2}{3}\right)\cdot\frac{2}{7}\right]:\left(\frac{2}{9}-\frac{1}{5}\right)$

24) $\left(\frac{1}{2}-\frac{5}{3}\right):3-\frac{4}{3}\cdot\frac{5}{6}$

25) $1-\left(1:\frac{3}{4}\right)+\frac{8}{5}:\left(\frac{7}{2}-3\right)$

26) $\left[\left(\frac{2}{3}+\frac{7}{4}\right):\left(\frac{2}{7}-\frac{1}{5}\right)\right]\cdot\frac{2}{9}$

27) $\left(\frac{8}{5}:\frac{9}{4}\right):\frac{3}{6}+\frac{2}{5}$

28) $\dfrac{\frac{2}{3}+5\left(\frac{1}{2}-1\right)}{2+\frac{7}{4}}$

29) $\dfrac{3-\frac{1}{2}\cdot\frac{4}{5}}{\left(\frac{1}{2}+4\right)\cdot 7}$

30) $\dfrac{\frac{6}{5}-2}{-\frac{1}{2}\cdot\left(\frac{3}{4}-\frac{1}{4}\right)}$

31) $\dfrac{1-\dfrac{2}{3-\frac{2}{3}}}{2+\frac{2}{5}}$

32) $\dfrac{1}{\frac{1}{3}+\frac{1}{5}}+3\cdot\dfrac{5}{-1+\frac{3}{4}}$

33) $6-\frac{2}{5}\cdot\frac{1}{3}+\dfrac{4-\frac{3}{2}\cdot\frac{1}{3}}{4+5\cdot\frac{7}{3}}$

34) $\dfrac{\frac{5}{6}+\frac{3}{4}}{\frac{5}{7}+\frac{3}{5}}$

35) $\left(8+\frac{1}{4}\right)\cdot\frac{2}{3}-\dfrac{1-\frac{1}{2}}{3+\frac{5}{6}}$

36) $\frac{2}{3}\left(\dfrac{2-\frac{1}{4}}{5-2}-\dfrac{\frac{2}{5}-1}{\frac{1}{4}+3}\right)$

37) $\frac{1}{5}:\dfrac{4+\frac{1}{7}\cdot 3}{\left(2-\frac{8}{3}\right)\cdot\frac{1}{5}}$

38) $\left(\dfrac{\frac{2}{5}:\frac{-1}{3}}{1+\frac{4}{5}}-\dfrac{2-\frac{8}{3}}{4\cdot\frac{7}{2}}\right)\cdot\frac{4}{7}$

39) $\dfrac{\frac{4}{5}:\frac{4}{9}}{\frac{-3}{2}:\frac{3}{7}}:\dfrac{\frac{-6}{7}:\frac{6}{2}}{\frac{8}{9}:\frac{8}{5}}$

40) $\dfrac{\frac{3}{5}\cdot\frac{2}{9}}{-1-\frac{4}{3}}-\dfrac{-2+\frac{1}{6}}{\frac{1}{7}\cdot\frac{7}{8}}$

Soluciones:1) 632/525, 2) -4/63, 3) 435/784, 4) 9/80, 5) -27/112, 6) 3, 7) 8909/1260, 8) 122/105, 9) -152/315, 10) 76/1575, 11) 233/210, 12) 22/35, 13) 295/168, 14) 1/15, 15) 38/175, 16) -1305/1274, 17) 2313/644, 18) -29/140, 19) -31/63, 20) 7840/621, 21) 19/15, 22) 69/110, 23) 27/7, 24) -3/2, 25) 43/15, 26) 503/18, 27) 82/45, 28) -22/45, 29) 26/315, 30) 16/5, 31) 5/84, 32) -465/8, 33) 8587/1410, 34) 665/552, 35) 247/46, 36) 599/1170, 37) -14/2325, 38) -52/147, 39) 1, 40) 1534/105