

Raccolta di espressioni con frazioni e addizioni e sottrazioni

$$\frac{14}{9} + \frac{7}{9} =$$

$$\frac{15}{25} + \frac{7}{10} =$$

$$1 + \frac{3}{5} =$$

$$\frac{9}{6} - \frac{5}{6} =$$

$$\frac{7}{5} - \frac{2}{3} =$$

$$\frac{17}{4} - \frac{5}{6} + \frac{1}{2} =$$

$$\frac{3}{2} + \frac{1}{2} + \frac{7}{2} + \frac{5}{2} =$$

$$\frac{7}{4} + \frac{3}{4} - \frac{1}{4} =$$

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

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

$$\left[\left(\frac{1}{2} + \frac{1}{3} - \frac{4}{5} \right) + \left(\frac{11}{12} - \frac{3}{4} + \frac{1}{3} \right) \right] + \frac{7}{15} =$$

$$\left(\frac{1}{2} + \frac{1}{3} + \frac{5}{6} \right) + \left(\frac{7}{6} - \frac{10}{12} \right) + \left(\frac{7}{6} - \frac{13}{12} \right) + \frac{7}{12} - \frac{5}{12} =$$

Espressioni con frazioni e addizioni e sottrazioni risolte

$$\frac{14}{9} + \frac{7}{9} =$$

$$\frac{14}{9} + \frac{7}{9} = \frac{14+7}{9} = \frac{21}{9} = \frac{7}{3}$$

$$\frac{15}{25} + \frac{7}{10} =$$

$$\frac{15^3}{25_5} + \frac{7}{10} = \frac{3}{5} + \frac{7}{10} = \frac{6+7}{10} = \frac{13}{10}$$

$$1 + \frac{3}{5} =$$

$$1 + \frac{3}{5} = \frac{5+3}{5} = \frac{8}{5}$$

$$\frac{9}{6} - \frac{5}{6} =$$

$$\frac{9}{6} - \frac{5}{6} = \frac{9-5}{6} = \frac{4}{6} = \frac{2}{3}$$

$$\frac{7}{5} - \frac{2}{3} =$$

$$\frac{7}{5} - \frac{2}{3} = \frac{21-10}{15} = \frac{11}{15}$$

$$\frac{17}{4} - \frac{5}{6} + \frac{1}{2} =$$

$$\frac{17}{4} - \frac{5}{6} + \frac{1}{2} = \frac{51-10+6}{12} = \frac{47}{12}$$

$$\frac{3}{2} + \frac{1}{2} + \frac{7}{2} + \frac{5}{2} = \frac{3+1+7+5}{2} = \frac{16}{2} = 8$$

$$\frac{7}{4} + \frac{3}{4} - \frac{1}{4} = \frac{7+3-1}{4} = \frac{9}{4}$$

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

$$= \frac{3+10-5}{6} + \frac{7+11}{6} - \frac{2-1}{6} =$$

$$= \frac{8}{6} + \frac{18}{6} - \frac{1}{6} = \frac{8+18-1}{6} = \frac{25}{6}$$

$$\begin{aligned}
 & 2 - \frac{1}{3} - \left\{ \frac{7}{3} - \left[\frac{4}{3} - \left(\frac{1}{2} + 2 - \frac{3}{2} \right) \right] - 1 + \frac{1}{3} \right\} = \\
 & = 2 - \frac{1}{3} - \left\{ \frac{7}{3} - \left[\frac{4}{3} - \left(\frac{1+4-3}{2} \right) \right] - 1 + \frac{1}{3} \right\} = \\
 & = 2 - \frac{1}{3} - \left\{ \frac{7}{3} - \left[\frac{4}{3} - \frac{2^1}{2_1} \right] - 1 + \frac{1}{3} \right\} = \\
 & = 2 - \frac{1}{3} - \left\{ \frac{7}{3} - \left[\frac{4-3}{3} \right] - 1 + \frac{1}{3} \right\} = \\
 & = 2 - \frac{1}{3} - \left\{ \frac{7}{3} - \frac{1}{3} - 1 + \frac{1}{3} \right\} = \\
 & = 2 - \frac{1}{3} - \left\{ \frac{7-3}{3} \right\} = \\
 & = 2 - \frac{1}{3} - \frac{4}{3} = \frac{6-1-4}{3} = \frac{1}{3}
 \end{aligned}$$

$$\begin{aligned}
 & \left[\left(\frac{1}{2} + \frac{1}{3} - \frac{4}{5} \right) + \left(\frac{11}{12} - \frac{3}{4} + \frac{1}{3} \right) \right] + \frac{7}{15} = \\
 & = \left[\frac{15+10-24}{30} + \frac{11-9+4}{12} \right] + \frac{7}{15} = \\
 & = \left[\frac{1}{30} + \frac{6^1}{12_2} \right] + \frac{7}{15} = \\
 & = \frac{1+15}{30} + \frac{7}{15} = \frac{16^8}{30_{15}} + \frac{7}{15} = \frac{8+7}{15} = \frac{15}{15} = 1
 \end{aligned}$$

$$\begin{aligned}
 & \left(\frac{1}{2} + \frac{1}{3} + \frac{5}{6} \right) + \left(\frac{7}{6} - \frac{10}{12} \right) + \left(\frac{7}{6} - \frac{13}{12} \right) + \frac{7}{12} - \frac{5}{12} = \\
 & = \frac{3+2+5}{6} + \left(\frac{7}{6} - \frac{5}{6} \right) + \left(\frac{14-13}{12} \right) + \frac{7}{12} - \frac{5}{12} = \\
 & = \frac{10}{6} + \frac{7-5}{6} + \frac{1}{12} + \frac{7}{12} - \frac{5}{12} = \\
 & = \frac{10}{6} + \frac{2}{6} + \frac{1}{12} + \frac{7}{12} - \frac{5}{12} = \\
 & = \frac{12}{6} + \frac{1+7-5}{12} = \frac{2}{1} + \frac{3}{12} = \frac{2}{1} + \frac{1}{4} = \frac{8+1}{4} = \frac{9}{4}
 \end{aligned}$$

Raccolta di altri esercizi per ora non risolti (modificate da Tiziana)

manda i tuoi risultati e soluzioni a ubaldo@pernigo.com

$$\left(\frac{3}{2} + \frac{7}{2} + \frac{9}{2}\right) + \left(\frac{11}{2} - \frac{10}{2}\right) =$$

$$\left(\frac{15}{4} + \frac{7}{4} - \frac{21}{4}\right) + \left(\frac{1}{4} + \frac{5}{4}\right) =$$

$$\left(\frac{1}{2} + \frac{3}{2} + \frac{5}{2} - \frac{7}{2}\right) + \left(\frac{7}{2} + \frac{15}{2} - \frac{13}{2}\right) =$$

$$\frac{7}{5} - \frac{1}{2} =$$

$$\frac{2}{3} + \frac{1}{4} + \frac{1}{6} =$$

$$\frac{2}{5} + \frac{7}{2} - \frac{3}{10} =$$

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

$$\frac{15}{7} + \left(\frac{23}{7} + \frac{2}{7} + \frac{4}{7} - \frac{25}{7}\right) + \frac{2}{7} - \left(\frac{8}{7} - \frac{6}{7} + \frac{1}{7}\right) =$$

$$\left[\left(\frac{15}{8} + \frac{2}{8}\right) - \left(\frac{1}{8} + \frac{5}{8}\right) + \left(\frac{3}{8} + \frac{7}{8} + \frac{9}{8}\right)\right] - \left(\frac{5}{8} + \frac{7}{8}\right) =$$

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

$$\frac{24}{5} + \frac{3}{5} - \left(\frac{8}{5} + \frac{19}{5}\right) + \frac{3}{5} + \left(\frac{6}{5} + \frac{4}{5} - \frac{2}{5}\right) =$$

$$\frac{1}{24} + \left(\frac{5}{6} - \frac{1}{24} - \frac{17}{24}\right) + \left(\frac{7}{24} - \frac{5}{24}\right) + \left(\frac{3}{8} - \frac{1}{3}\right) =$$

$$\left[\left(\frac{5}{6} - \frac{1}{3}\right) + \left(\frac{7}{18} + \frac{5}{18}\right) - \frac{11}{18}\right] + \left(\frac{7}{18} - \frac{5}{18} + \frac{3}{18}\right) =$$

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