

DA FRAZIONE A NUMERO DECIMALE

~~158~~ 53

$$\frac{53}{30} = 53 : 30 = 1,766 = 1,7\overline{6}$$

$$\begin{array}{r} 30 \\ \underline{230} \\ 210 \\ \underline{200} \\ 180 \\ \underline{180} \\ 0 \end{array}$$

$$\begin{array}{r|l} 30 & 2 \times 5 \\ & 3 \\ & 1 \end{array}$$

$$30 = 2 \times 3 \times 5$$

~~DECIMALE LIMITA~~

~~PERIODICO SEMPL~~

PERIODICO MISTO

DA NUMERO DECIMALE A FRAZIONE

$$0,\overline{24} = \frac{24 - 0}{99} = \frac{24}{99} \overset{8}{\underset{33}{}}$$

$$0,2\overline{4} = \frac{24 \overset{426}{}}{100} = \frac{6}{25} \underset{50}{}$$

$$0,2\overline{4} = \frac{24 - 2}{90} = \frac{22}{90} \overset{11}{\underset{45}{}}$$

$$2, \overline{35} = \frac{235 - 23}{90} = \frac{212}{90}$$

$$4, \overline{521} = \frac{4521 - 45}{990} = \frac{4476}{990} = \frac{746}{165}$$

$$8, \overline{531} = \frac{8531 - 853}{900} = \frac{\begin{array}{r} 3838 \\ \cancel{2678} \\ 900 \\ 450 \end{array}}{900}$$

$$1, \overline{153} = \frac{1153 - 1}{999} = \frac{\begin{array}{r} 128 \\ \cancel{384} \\ 1452 \\ 999 \\ 333 \\ 111 \end{array}}{999}$$

$$18, \overline{07} = \frac{1807 - 180}{90} = \frac{1627}{90}$$

$$4, \overline{18} = \frac{418 - 41}{90} = \frac{377}{90}$$

$$9, \overline{47} = \frac{947 - 94}{90} = \frac{853}{90}$$

$$23, \overline{26} = \frac{2326 - 23}{99} = \frac{2303}{99}$$

$$(1,3\bar{3} + 0,27\bar{7} - 1,38\bar{8}) \times (1 - 0,25) =$$

SI TRASFORMANO I NUMERI IN FRAZIONI

$$= \left(\frac{13-1}{9} + \frac{27-2}{90} - \frac{138-13}{90} \right) \times \left(1 - \frac{25}{100} \right) =$$

SI FANNO I CALCOLI PER CIASCUNA FRAZIONE

$$= \left(\frac{12^4}{9^3} + \frac{25^5}{90_{18}} - \frac{125^{25}}{90_{18}} \right) \times \left(1 - \frac{1}{4} \right) \quad \underline{\underline{\text{SEMPLIFICARE}}}$$

$$= \left(\frac{24 + 5 - 25}{18} \right) \times \left(\frac{4-1}{4} \right) =$$

$$= \frac{4^1}{18_6} \times \frac{3^1}{4_1} = \frac{1}{6}$$

$$\begin{aligned}
& [(1 - 0,8\bar{6}) : (1 + 0,6)] \times [(1 + 0,25) \times (1,3 \times 0,8)] = \\
& = \left[\left(1 - \frac{86-8}{90}\right) : \left(1 + \frac{3}{10}\right) \right] \times \left[\left(1 + \frac{25}{100}\right) \times \left(\frac{13-1}{9} \times \frac{8^4}{10}\right) \right] = \\
& = \left[\left(1 - \frac{78}{90}\right) : \left(1 + \frac{3}{10}\right) \right] \times \left[\left(1 + \frac{1}{4}\right) \times \left(\frac{12^4}{9} \times \frac{4}{5}\right) \right] = \\
& = \left[\left(\frac{15-13}{15}\right) : \left(\frac{5+3}{5}\right) \right] \times \left[\left(\frac{4+1}{4}\right) \times \frac{16}{15} \right] = \\
& = \left[\frac{2}{3} \times \frac{1}{4} \right] \times \left[\frac{5}{4} \times \frac{16}{15} \right] = \\
& = \frac{1}{3} \times \frac{4}{3} = \frac{4}{9}
\end{aligned}$$

$$\begin{aligned}
& (1,\bar{7} + 0,\bar{5} - 1,\bar{5}) : \frac{1}{9} - (1,\bar{4} + 0,\bar{2}) = \\
& - \left(\frac{17-1}{9} + \frac{5-0}{9} - \frac{15-1}{9} \right) : \frac{1}{9} - \left(\frac{14-1}{9} + \frac{2-0}{9} \right) : \\
& = \left(\frac{16}{9} + \frac{5}{9} - \frac{14}{9} \right) : \frac{1}{9} - \left(\frac{13}{9} + \frac{2}{9} \right) = \\
& = \left(\frac{16+5-14}{9} \right) : \frac{1}{9} - \left(\frac{13+2}{9} \right) = \\
& = \frac{7}{9} \times \frac{9}{1} - \frac{15}{9} = \\
& = 7 - \frac{5}{3} = \frac{21-5}{3} = \frac{16}{3}
\end{aligned}$$