$$3-\frac{1}{2}+\left[\frac{3}{4}+\left(\frac{1}{5}-\frac{6}{10}\right)\right]-1=$$

$$=3-\frac{1}{2}+\left[\frac{3}{4}+\frac{2-6}{10}\right]-1=$$

$$=3-\frac{1}{2}+\left[\frac{3}{4}+\left(-\frac{4}{10}\right)\right]-1$$

$$=3-\frac{1}{2}+\left[\frac{3}{4}-\frac{4}{10}\right]-1=$$

$$=3-\frac{1}{2}+\left[\frac{15-8}{20}\right]-1=$$

$$=3-\frac{1}{2}+\frac{7}{20}-1=$$

$$=\frac{60-10+7-20}{20}=+\frac{37}{20}$$

$5=$		5
$10=$	$2\cdot$	5
mcm	$2\cdot5$	

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

$$=\frac{1}{10}-\frac{3}{5}+\left[\frac{5}{2}-\left(\frac{30-35-1}{5}\right)\right]-\left(+\frac{21}{5}\right)$$

$$=\frac{1}{10}-\frac{3}{5}+\left[\frac{5}{2}-\left(-\frac{6}{5}\right)\right]-\frac{21}{5}$$

$$=\frac{1}{10}-\frac{3}{5}+\left[\frac{5}{2}+\frac{6}{5}\right]-\frac{21}{5}$$

$$=\frac{1}{10}-\frac{3}{5}+\frac{25+12}{10}-\frac{21}{5}$$

$$=\frac{1}{10}-\frac{3}{5}+\frac{37}{10}-\frac{21}{5}$$

$$=\frac{1-6+37-42}{10}=-\frac{10}{10}=-1$$

PROPRIETÀ DELLE POTENZE

① $a^n\cdot a^m=a^{n+m}$

② $a^n:a^m=a^{n-m}$

③ $\left(a^n\right)^m=a^{n\cdot m}$

④ $a^{-n}=\left(\frac{1}{a}\right)^n$

N°169

$$\left[\left(-\frac{1}{4}\right)^3:\left(-\frac{1}{4}\right)\right]^2$$

$$\left[\left(-\frac{1}{4}\right)^{3-1}\right]^2=\left[\left(-\frac{1}{4}\right)^2\right]^2=\left(-\frac{1}{4}\right)^{2\cdot2}=\left(-\frac{1}{4}\right)^4=$$

$$=+\frac{1}{256}$$

$$\left[\left(\frac{2}{3}\right)^2\cdot\left(\frac{3}{8}\right)^2\right]^2\cdot2^4$$

$a^n\cdot b^n=(a\cdot b)^n$

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