

Espressioni con frazioni: potenze e regole delle potenze

N°	Espressioni	Ris
1	$\left(\frac{1}{2}\right)^2 + \left(\frac{1}{3}\right)^2 =$	$\frac{13}{36}$
2	$\left(\frac{2}{3} + \frac{1}{2}\right)^2 =$	$\frac{49}{36}$
3	$\left(1 - \frac{1}{3}\right)^3 =$	$\frac{8}{27}$
4	$\left(\frac{2}{3} - \frac{1}{5}\right)^2 =$	$\frac{49}{225}$
5	$\left(\frac{1}{3} + \frac{1}{9}\right)^3 =$	$\frac{64}{729}$
6	$\left(\frac{3}{2}\right)^2 - \left(\frac{1}{5}\right)^2 =$	$\frac{221}{100}$
7	$\left(2 - \frac{1}{2}\right)^3 =$	$\frac{27}{8}$
8	$\left(5 - \frac{3}{2}\right)^2 =$	$\frac{49}{4}$
9	$\left(\frac{1}{2}\right)^2 - \left(\frac{1}{2}\right)^3 =$	$\frac{1}{8}$
10	$\left(\frac{1}{2}\right)^2 - \left(\frac{1}{3}\right)^2 =$	$\frac{5}{36}$
11	$2^3 - \left(\frac{1}{2}\right)^3 =$	$\frac{63}{8}$
12	$2^3 - \left(\frac{1}{2}\right)^0 =$	8
13	$\left(\frac{3}{7}\right)^6 : \left(\frac{3}{7}\right)^3 =$	$\frac{27}{343}$
14	$\left(\frac{2}{3}\right)^3 \cdot \left(\frac{6}{5}\right)^3 =$	$\frac{64}{125}$
15	$\left(\frac{3}{7}\right)^0 \cdot \left(\frac{3}{7}\right)^3 =$	$\frac{27}{343}$
16	$\left(\frac{1}{2}\right)^5 \cdot \left(\frac{1}{2}\right)^2 : \left(\frac{1}{2}\right)^2 =$	$\frac{1}{32}$

17	$\left[\left(\frac{1}{6}\right)^2\right]^3 =$	$\frac{1}{6^6}$
18	$\left[\frac{1}{2} \cdot \left(\frac{1}{2}\right)^2 \cdot \left(\frac{1}{2}\right)^3\right]^5 =$	$\frac{1}{2^{30}}$
19	$\left[\left(\frac{5}{6}\right)^{-2}\right]^4 \cdot \left(\frac{5}{6}\right)^6 =$	$\frac{36}{25}$
20	$\left[\left(-\frac{3}{2}\right)^{-2} \cdot \left(-\frac{3}{2}\right)^2\right]^2 =$	1
21	$\left[\left(-\frac{3}{4}\right)^2\right]^4 : \left(-\frac{3}{4}\right)^5 =$	$-\frac{27}{64}$
22	$\left[\left(-\frac{3}{5}\right)^5 : \left(-\frac{3}{5}\right)^3\right] \cdot \left(-\frac{3}{5}\right) =$	$-\frac{27}{125}$
23	$(-2)^3 \cdot \left[\frac{8}{9} : \left(-5 + \frac{7}{3}\right)^2\right] =$	-1
24	$\left\{\left(-\frac{5}{4}\right)^4 - \left[\left(-\frac{5}{4}\right)^2\right]^2\right\} =$	0
25	$\left[\left(-\frac{3}{5}\right)^{-4} \cdot \left(-\frac{3}{5}\right)^6\right] : \left(-\frac{3}{5}\right)^5 =$	$-\frac{125}{27}$
26	$\left(\frac{2}{3}\right)^{-1} \cdot \left(-\frac{3}{4}\right)^{-1} \cdot \left(\frac{2}{5}\right)^{-1} =$	-5
27	$\left(-\frac{4}{5}\right)^{-2} : \left(-\frac{2}{15}\right)^{-2} =$	$\frac{1}{36}$
28	$\left(-\frac{1}{2}\right)^3 \cdot \left(-\frac{1}{2}\right)^2 : \left(\frac{1}{2}\right)^2 =$	$-\frac{1}{8}$
29	$\left[-\left(-\frac{10}{39}\right) : \left(-\frac{5}{13}\right)\right]^{-2} =$	$\frac{9}{4}$
30	$\left(-2 - \frac{1}{2}\right)^2 \cdot \left(1 + \frac{4}{5}\right) - \left(-\frac{1}{2}\right)^2 - (-2)^2$	7
31	$\left[\left(-\frac{2}{3}\right)^2 \cdot \left(-\frac{2}{3}\right)^3 \cdot \left(-\frac{2}{3}\right)^2\right] : \left(-\frac{2}{3}\right)^6 =$	$-\frac{2}{3}$
32	$\left[-\frac{1}{4} \cdot \left(-\frac{2}{3}\right)^2 \cdot \frac{6}{5}\right]^2 : \left(\frac{1}{3} - \frac{1}{5}\right)^2 =$	1

33	$\left(-\frac{1}{4}\right)^{-2} \cdot \left(\frac{4}{3}\right)^{-2} : \left(\frac{1}{9}\right)^{-2} =$	$\frac{1}{9}$
34	$\left(1 + \frac{3}{5}\right)^{-2} : \left(\frac{8}{5}\right)^{-2} : (2^{-1} + 1)^{-2} =$	$\frac{9}{4}$
35	$\left(\frac{2}{3}\right)^{-2} \cdot \left(\frac{2}{3}\right)^{-1} : \left(\frac{2}{3}\right)^{-4} =$	$\frac{2}{3}$
36	$\left[\left(-\frac{3}{2}\right)^4 \cdot \left(-\frac{1}{3}\right)^4 : \left(\frac{1}{4}\right)^4\right] \cdot 2^{-3} : 2^{-2} =$	8
37	$\left(-\frac{3}{4}\right)^2 : \left(\frac{1}{4} - 1\right)^{-2} \cdot \left(1 - \frac{1}{4}\right)^{-2} =$	$\frac{9}{16}$
38	$\left[\left(-\frac{2}{3}\right)^{-4} - \left(-\frac{2}{3}\right)^3 : \left(-\frac{2}{3}\right)^7\right]^{-1} =$	Perde signifi- cato
39	$\left(\frac{3}{2}\right)^6 : \left[\left(-\frac{2}{3}\right)^0 : \left(-\frac{2}{3}\right)^5\right] =$	$-\frac{3}{2}$
40	$\left(\frac{3}{2}\right)^{-3} : \left(-\frac{3}{2}\right)^3 =$	$-\frac{2^6}{3^6}$
41	$-\left(\frac{4}{3}\right)^{-2} \cdot \left[1 - \left(-\frac{1}{2}\right)^{-2}\right]^{-1} =$	$\frac{3}{16}$
42	$\left(\frac{2}{3}\right)^{-1} \cdot \left(-\frac{3}{4}\right)^{-1} \cdot \left(\frac{2}{5}\right)^{-1} =$	-5
43	$\left(-\frac{4}{5}\right)^{-2} : \left(-\frac{2}{15}\right)^{-2} =$	$\frac{1}{36}$
44	$\left(-\frac{1}{2}\right)^3 \cdot \left(-\frac{1}{2}\right)^2 : \left(\frac{1}{2}\right)^2 =$	$-\frac{1}{8}$
45	$\left\{\left[\left(-\frac{2}{5}\right)^{-3}\right]^0 : \left(-\frac{2}{5}\right)^{-2}\right\} =$	$\frac{9}{4}$
46	$\left(-2 + \frac{1}{2}\right)^2 \cdot \left(1 - \frac{5}{9}\right) - \left(-\frac{1}{2}\right)^3 + 2^2 =$	$\frac{41}{8}$
47	$\left(-5 + \frac{7}{3}\right)^2 : \frac{8}{9} : (-2)^3 =$	-1
48	$\left\{\left(-\frac{5}{4}\right)^4 - \left[\left(-\frac{5}{4}\right)^2\right]^2\right\} =$	0

49	$\left[\left(-\frac{1}{2} \right)^{-3} \cdot \left(-\frac{1}{2} \right)^{-1} \right]^2 : \left(-\frac{1}{2} \right)^{-3} - \left(-\frac{1}{2} \right)^{-5} =$	0
50	$\left\{ \left(-\frac{5}{4} \right)^4 - \left[\left(-\frac{5}{4} \right)^2 \right]^2 \right\}^{-1} =$	Perde signifi- cato
51	$\left(\frac{3}{2} \right)^{-3} : \left(-\frac{3}{2} \right)^{-3} =$	-1
52	$\left(\frac{3}{2} \right)^{-3} : \left[- \left(-\frac{3}{2} \right)^{-3} \right] =$	1
53	$\left(-\frac{3}{4} \right)^{-2} \cdot \left[(-1)^{-3} + \left(-\frac{1}{3} \right)^{-2} \right]^{-1} =$	$\frac{2}{9}$
54	$\left\{ \left[\left(-\frac{2}{5} \right)^{-3} \right]^0 : \left(-\frac{2}{5} \right)^{-2} \right\}^{-1} =$	$\frac{25}{4}$
55	$\left[\left(-\frac{3}{5} \right)^{-4} \cdot \left(-\frac{3}{5} \right)^6 \right] : \left(-\frac{3}{5} \right)^5 =$	$-\frac{125}{27}$
56	$\left(\frac{5}{4} - \frac{1}{2} \right)^{-2} \cdot \left(-3 + \frac{3}{2} \right)^3 + \left(\frac{5}{8} \right)^0 =$	-5
57	$\left\{ \left[-\frac{2}{7} + (-2)^{-2} - \left(1 - \frac{5}{28} \right) \right] \cdot (-3)^{-1} - (-3)^2 : 7 \right\}^2 =$	1
58	$\left[\left(-\frac{1}{4} \right)^6 : \left(-\frac{1}{2} \right)^6 \right] : \left(\frac{1}{2} \right)^4 + \left(\frac{1}{2} \right)^2 =$	$\frac{1}{2}$
59	$\left(-\frac{2}{3} \right)^3 - \left(-\frac{2}{3} \right)^2 \cdot \left(-\frac{2}{3} \right)^4 : \left(-\frac{2}{3} \right)^3 + \left(-\frac{2}{3} \right)^0 =$	1
60	$\left[\left(1 + \frac{1}{2} \right)^3 \cdot \left(2 - \frac{1}{2} \right)^5 \right]^2 \cdot \left(\frac{3}{2} \right)^2 : \left[\left(-\frac{3}{2} \right)^8 \cdot \left(\frac{3}{2} \right)^7 \right] =$	$\frac{27}{8}$
61	$\left(-\frac{3}{5} \right)^8 : \left(1 - \frac{2}{5} \right)^5 \cdot \left[\left(2 + \frac{1}{2} \right)^2 \cdot \frac{5}{2} \right] - 1 =$	$\frac{19}{8}$
62	$\left(2 - \frac{14}{9} \right)^2 : \left(-\frac{2}{3} \right)^2 - \left(2 - \frac{5}{3} \right)^4 : \frac{1}{27} - \frac{2}{9} =$	$-\frac{1}{9}$
63	$\left[\left(\frac{1}{4} + 1 - \frac{2}{3} \right)^2 : \frac{7}{6} + \frac{6}{5} \cdot \left(\frac{1}{2} - \frac{1}{3} \right)^2 \right] : \left(\frac{3}{4} \right)^2 - \left(\frac{2}{3} \right)^2 =$	$\frac{2}{15}$
64	$\left[\left(1 - \frac{1}{2} \right) + \left(\frac{5}{3} - \frac{2}{5} \right) : \frac{19}{3} \right] \cdot \left\{ 1 : \left[\left(1 + \frac{7}{4} \right)^2 : \left(2 + \frac{3}{4} \right) \right] : \frac{4}{11} \right\} =$	$\frac{7}{10}$

65	$\left(\frac{5}{4}\right)^2 \cdot \left\{\left(\frac{11}{7} + 3\right) \cdot \left[\left(1 - \frac{2}{3}\right) : \left(4 - \frac{19}{6}\right)\right]^2\right\} =$	$\frac{8}{7}$
66	$\frac{1}{6} - \left\{\left[\left(1 - \frac{1}{3} - \frac{1}{2}\right) - \left(2 - \frac{4}{3} - \frac{1}{2}\right)^2 \cdot \left(\frac{4}{5} + 4\right)\right] : \frac{2}{3} =$	$\frac{7}{60}$
67	$\left\{\left[\frac{17}{12} : \left(\frac{5}{4} - \frac{2}{3}\right)\right] : \left(\frac{13}{12} + \frac{1}{3}\right)\right\}^2 \left[\left(\frac{13}{12}\right)^3 \cdot \left(\frac{13}{12}\right)\right]^0 : \left(\frac{10}{7}\right)^2 =$	$\frac{36}{25}$
68	$\left[\left(\frac{3}{5}\right)^2 \cdot 5 + \left(\frac{1}{2}\right)^4 : \left(\frac{1}{2}\right)^4 + 2 - \left(\frac{2}{3}\right)^2 \cdot \left(\frac{9}{4}\right)^2 - 11 : \frac{22}{5}\right]^2 + \left(\frac{1}{12} \cdot \frac{9}{5}\right)^2 =$	$\frac{1}{40}$
69	$\left\{\left[\left(\frac{12}{35}\right)^3 : \left(\frac{18}{7}\right)^3\right]^4 \cdot \left(3 - \frac{1}{2}\right)^{12}\right\} : \left(2 - \frac{5}{3}\right)^{10} + \left[\left(\frac{1}{9}\right)^5 : \left(\frac{1}{3}\right)^5\right] : \left(\frac{1}{3}\right)^5 =$	$\frac{10}{9}$
70	$\left[\left(\frac{1}{2} - \frac{1}{3}\right)^4 : \left(\frac{1}{2} + \frac{1}{3}\right)^4\right] \cdot \left[\left(\frac{3}{5} - 2\right)^4 : \left(1 - \frac{2}{5}\right)^4\right] \cdot \left[\left(5 - \frac{5}{7}\right) : 2\right]^4 =$	30
71	$\left[\left(\frac{3}{7}\right)^4\right]^2 : \left[\left(\frac{3}{7}\right)^3\right]^2 \cdot \left\{\left[\left(\frac{3}{7}\right)^4\right]^3 : \left[\left(\frac{3}{7}\right)^2\right]^6\right\} \cdot \left(\frac{3}{7}\right)^0 =$	$\frac{9}{49}$
72	$\left[\left(\frac{2}{3}\right)^2 + \frac{11}{9}\right] \cdot \left[\left(\frac{5}{3}\right)^4 \cdot \left(\frac{5}{3}\right)^3\right] : \left[\left(\frac{5}{3}\right)^2 \cdot \left(\frac{5}{3}\right)^3\right] : \left[\left(\frac{3}{2}\right)^2 - \frac{7}{12}\right] =$	$\frac{25}{9}$
73	$\left[\left(\frac{4}{5}\right)^3 : \left(\frac{4}{5}\right)^2\right] \cdot \left[\left(\frac{5}{4}\right)^7 : \left(\frac{5}{4}\right)^6\right] \cdot \left[\left(\frac{3}{2}\right)^7 : \left(\frac{9}{4}\right)^7 \cdot \left(\frac{2}{3}\right)^5\right] \cdot \left(\frac{3}{2}\right)^0 : \left(\frac{2}{3}\right)^{10} =$	$\frac{4}{9}$
74	$\left\{\left[\left(\frac{4}{7}\right)^2\right]^3\right\}^4 : \left[\left(\frac{4}{7}\right)^6\right]^2 \cdot \left\{\left[\left(\frac{5}{2}\right)^2\right]^3\right\}^2 : \left[\left(\frac{5}{7}\right)^2 \cdot \left(\frac{5}{7}\right)^4 \cdot \left(\frac{5}{7}\right)^6\right] : 2^8 =$	16
75	$\frac{1}{5} + \frac{7}{5} : \left\{\frac{2}{5} + \left(\frac{3}{16}\right)^2 : \left[\frac{3^2}{4^2} + \left(\frac{3}{5} + \frac{2}{15} - \frac{1}{3}\right)^2 : \left(1 - \frac{3}{5}\right)^2 - \frac{11}{8}\right]^2\right\} =$	$\frac{6}{5}$
76	$\left(1 - \frac{1}{4}\right)^2 \cdot \left(\frac{2}{3}\right)^2 + \left[\left(\frac{7}{2}\right)^2 \cdot \left(-3 - \frac{1}{2}\right)^3 : \left(-1 - \frac{5}{2}\right)^4 + 1\right] =$	$-\frac{9}{4}$
77	$\left[\left(\frac{2}{35} - \frac{1}{5}\right) : \left(\frac{1}{7} - 1\right)\right] : \left[\frac{2}{3} : \left(\frac{1}{4} + \frac{3}{2}\right)\right] \cdot \left(-\frac{1}{10}\right)^0 - \left(-\frac{1}{2}\right)^4 =$	$\frac{3}{8}$
78	$\frac{2}{3} - \frac{1}{6} + \left[\frac{1}{2} - \frac{1}{3} - \left(1 + \frac{4}{5}\right) : \frac{1}{5}\right] - \left[\frac{1}{7} + \frac{2}{3} - \left(\frac{1}{14} + 1\right)\right] \cdot \frac{7}{11} - (-2^5) =$	$-\frac{1}{6}$
79	$\left\{\left[\left(3 - \frac{13}{11}\right) : \left(\frac{3}{2} - \frac{4}{11}\right)\right] - \frac{3}{5}\right\} \cdot \frac{8}{3} - \left[\frac{4}{3} : \frac{1}{3} - 4 + \frac{(-2)^4}{5}\right] =$	$-\frac{8}{15}$
80	$\left\{\left[\left(\frac{4}{3} - \frac{1}{4}\right) \cdot \left(-\frac{2}{13} + 3\right) - \frac{30}{12}\right] : \frac{7}{4} - \frac{2}{3}\right\} \cdot \frac{3}{5} - \frac{2}{5} + \frac{9^3}{36} : \frac{3^4}{4} =$	$\frac{2}{5}$

81	$\left\{\left(\frac{3}{7}\right)^{10} : \left[\left(\frac{3}{7}\right)^6 \cdot \left(\frac{3}{7}\right)^3\right]^2 \cdot \left[\left(\frac{3}{7}\right)^0 \cdot \left(\frac{3}{7}\right)^3\right]^2 \cdot \left(\frac{7}{3}\right)^8 =$	1
82	$\left\{\left(\frac{2}{3}\right)^6 \cdot \left(\frac{6}{5}\right)^6\right\}^4 : \left[\left(\frac{16}{25}\right)^3 \cdot \left(\frac{5}{4}\right)^3\right]^8 =$	1
83	$\left\{\left[\left(\frac{12}{5}\right)^3 : \left(\frac{4}{5}\right)^3\right]^8 : [(12)^4 \cdot \left(\frac{1}{4}\right)^4]^5\right\}^3 \cdot \left[\left(\frac{1}{3}\right)^2\right]^6 =$	1
84	$\left[\left(\left(\frac{4}{7}\right)^2\right)^3\right]^4 : \left[\left(\frac{4}{7}\right)^6\right]^2 \cdot \left\{\left[\left(\frac{5}{2}\right)^2\right]^3\right\}^2 : \left[\left(\frac{5}{7}\right)^2 \cdot \left(\frac{5}{7}\right)^4 \cdot \left(\frac{5}{7}\right)^6\right] =$	2^{12}
85	$\left[\left(\frac{1}{2} - \frac{1}{3}\right)^4 : \left(\frac{3}{2}\right)^3\right]^2 \cdot \left\{\left[\left(\frac{3}{7}\right)^4\right]^3 : \left[\left(\frac{3}{7}\right)^2\right]^6\right\}^4 \cdot \left(\frac{3}{7}\right)^0 \cdot \left[\left(\frac{3}{5} - 2\right)^4 : \left(1 - \frac{2}{5}\right)^4\right] \cdot \left[\left(5 - \frac{5}{7}\right)\right]^4 =$	$\frac{9}{49}$
86	$\left[\left(\frac{1}{2} - \frac{1}{3}\right)^4 : \left(\frac{1}{2} + \frac{1}{3}\right)^4\right] \cdot \left[\left(\frac{3}{5} - 2\right)^4 : \left(1 - \frac{2}{5}\right)^4\right] \cdot \left[\left(5 - \frac{5}{7}\right)\right]^4 =$	16
87	$\left[\left(\frac{1}{2}\right)^5 \cdot \left(\frac{1}{2}\right)^2 : \left(\frac{1}{2}\right)^2\right]^2 : \left[\left(\frac{1}{2}\right)^4 \cdot \left(\frac{1}{2}\right)^6 : \left(\frac{1}{2}\right)^3\right] : \frac{1}{8} =$	1
88	$\left[(-2 + \frac{8}{9}) : (-\frac{5}{3})^2 - \frac{1}{3} + (-\frac{2}{3})^3 \cdot (-\frac{9}{2})\right] : \left[-\frac{1}{25} + \frac{3}{5} + (2 - \frac{6}{5})^2\right] =$	$\frac{1}{2}$
89	$\frac{1}{2} - (-\frac{1}{3})^3 + \left\{\left[(-4 - \frac{4}{3}) : (+\frac{16}{3}) + \frac{1}{5}\right]^2 - (-\frac{1}{9} - 1)\right\}^0 \cdot \left(\frac{1}{9} - \frac{7}{15} + \frac{1}{45}\right)^3 - \frac{2}{3} =$	$-\frac{1}{6}$
90	$-\frac{16}{9} - \left\{\left[(-\frac{8}{21} - 1 + \frac{5}{7})^2 + (\frac{19}{10} - \frac{7}{5})^3 - \frac{29}{72}\right] : \frac{12}{3}\right\} : (-\frac{3}{2}) =$	$-\frac{7}{4}$
91	$\left\{\left[(-\frac{1}{3})^2\right]^2 : \left[\frac{1}{3} \cdot (-\frac{1}{3})^3 : (-\frac{1}{3})^2\right]\right\} : \left\{-\left[(-\frac{2}{3})^2 \cdot (\frac{3}{4})^2\right]\right\} =$	-4
92	$\left[\left(1 - \frac{1}{3}\right)^3 \cdot \left(\frac{3}{4}\right)^3 - \left(\frac{1}{2}\right)^3 + \left(\frac{1}{2}\right)^2\right] - \left(\frac{3}{4} - 2\right) =$	$\frac{3}{2}$
93	$\left[\left(\frac{1}{2} - \frac{1}{5}\right)^3 + \left(1 + \frac{3}{4} - \frac{9}{10} - \frac{3}{20}\right)^3 - \left(-\frac{13}{100}\right)\right]^3 - \frac{1}{23} \cdot \left(3 + \frac{2}{3} - \frac{7}{4}\right) =$	$\frac{1}{24}$
94	$\left[(-\frac{1}{3})^2 : (-\frac{1}{6})^2\right] \cdot \left[(-\frac{1}{2})^4 : (-\frac{1}{15} : \frac{4}{15})\right] : \left[(-\frac{3}{2})^2 + (-1 - \frac{1}{2})\right] =$	$-\frac{4}{3}$
95	$\left\{\left[-\frac{15}{3} + \frac{3}{8} + (-\frac{1}{2})^3 + \frac{9}{2}\right] : \left[-(-\frac{2}{5})^2 + \frac{3}{20} - (-\frac{1}{5})^2\right]\right\} - \frac{11}{2} =$	$-\frac{1}{2}$

96	$-\frac{3}{5} - \left[\left(-\frac{3}{5} \right)^2 \right]^5 : \left[\left(-\frac{3}{5} \right)^6 \cdot \left(-\frac{3}{5} \right)^8 : \left(-\frac{3}{5} \right)^9 \right]^2 =$	$-\frac{8}{5}$
97	$\left[\left(-\frac{1}{3} \right)^4 \left(-\frac{1}{3} \right)^2 : \left(-\frac{1}{3} \right)^3 \right]^5 : \left[\left(-\frac{1}{3} \right)^7 \left(-1 + \frac{2}{3} \right)^6 \right] =$	$\frac{1}{9}$
98	$\left\{ \left[-2 + \frac{3}{5^2} : \left(\frac{4}{5} - \frac{1}{2} \right)^2 \right]^3 + 1 : \left(-\frac{3}{2} \right)^2 \right\} : \left[1 : \left(\frac{5}{4} + \frac{1}{8} + \frac{5}{10} \right) \right] \cdot \left(-\frac{3}{5} \right)^2 =$	$\frac{1}{10}$
99	$\left\{ \left[\left(-\frac{1}{2} \right)^2 \right]^2 - \left[\frac{1}{2} \cdot \left(-\frac{1}{2} \right)^3 : \left(-\frac{1}{2} \right)^2 \right]^2 \right\} : - \left[\left(-\frac{2}{3} \right)^2 \cdot \left(\frac{3}{4} \right)^2 \right] =$	$-\frac{1}{2}$
100	$\left\{ \left[-2 + \frac{3}{5^2} : \left(\frac{4}{5} - \frac{1}{2} \right)^2 \right]^3 + 1 : \left(-\frac{3}{2} \right)^2 \right\} : \left[1 : \left(\frac{5}{4} + \frac{1}{8} + \frac{5}{10} \right) \right] \cdot \left(-\frac{3}{5} \right)^2 =$	$-\frac{1}{10}$