Arithmetic of Exponents (Negative Fractional Exponents)

Name: _____ Date: _____ Score: _____

$(-\frac{1}{5}) - (-\frac{1}{4}) =$

$(\frac{3}{5})^{2} - (-\frac{1}{2}) =$

$(\frac{3}{5})^{(-2)} - (-\frac{1}{2}) =$

$(\frac{1}{5})^{2} - \frac{1}{4} =$

$(-\frac{3}{5})^{2} + \frac{3}{4} =$

$(-\frac{1}{2})^{(-2)} - (-\frac{1}{5}) =$

$(\frac{1}{6})^{2} - \frac{1}{5} =$

$(-\frac{1}{2})^{(-2)} - \frac{2}{5} =$

$(\frac{1}{4})^{(-2)} - \frac{3}{4} =$

$(-\frac{1}{3})^{(-1)} + (-\frac{1}{5}) =$

$(-\frac{3}{5})^{(-2)} + (-\frac{1}{2}) =$

$(\frac{1}{2})^{(-2)} - \frac{1}{5} =$

$(-\frac{1}{6})^{(-2)} + \frac{1}{2} =$

$(\frac{1}{5}) - \frac{3}{5} =$

$(\frac{1}{3})^{2} - (-\frac{1}{2}) =$

$(-\frac{1}{4})^{(-1)} + \frac{1}{4} =$

$(\frac{1}{6})^{(-2)} + (-\frac{1}{2}) =$

$(\frac{2}{5})^{2} - \frac{3}{4} =$

$(\frac{1}{6})^{0} - \frac{1}{2} =$

$(\frac{1}{2})^{(-2)} + (-\frac{1}{3}) =$

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$(-\frac{1}{5}) - (-\frac{1}{4}) = \frac{1}{20}$

$(-\frac{3}{5})^{(-2)} + (-\frac{1}{2}) = \frac{41}{18} = 2\frac{5}{18}$

$(\frac{3}{5})^{2} - (-\frac{1}{2}) = \frac{43}{50}$

$(\frac{1}{2})^{(-2)} - \frac{1}{5} = \frac{19}{5} = 3\frac{4}{5}$

$(\frac{3}{5})^{(-2)} - (-\frac{1}{2}) = \frac{59}{18} = 3\frac{5}{18}$

$(-\frac{1}{6})^{(-2)} + \frac{1}{2} = \frac{73}{2} = 36\frac{1}{2}$

$(\frac{1}{5})^{2} - \frac{1}{4} = (-\frac{21}{100})$

$(\frac{1}{5}) - \frac{3}{5} = (-\frac{2}{5})$

$(-\frac{3}{5})^{2} + \frac{3}{4} = \frac{111}{100} = 1\frac{11}{100}$

$(\frac{1}{3})^{2} - (-\frac{1}{2}) = \frac{11}{18}$

$(-\frac{1}{2})^{(-2)} - (-\frac{1}{5}) = \frac{21}{5} = 4\frac{1}{5}$

$(-\frac{1}{4})^{(-1)} + \frac{1}{4} = (-\frac{15}{4}) = (-3\frac{3}{4})$

$(\frac{1}{6})^{2} - \frac{1}{5} = (-\frac{31}{180})$

$(\frac{1}{6})^{(-2)} + (-\frac{1}{2}) = \frac{71}{2} = 35\frac{1}{2}$

$(-\frac{1}{2})^{(-2)} - \frac{2}{5} = \frac{18}{5} = 3\frac{3}{5}$

$(\frac{2}{5})^{2} - \frac{3}{4} = (-\frac{59}{100})$

$(\frac{1}{4})^{(-2)} - \frac{3}{4} = \frac{61}{4} = 15\frac{1}{4}$

$(\frac{1}{6})^{0} - \frac{1}{2} = \frac{1}{2}$

$(-\frac{1}{3})^{(-1)} + (-\frac{1}{5}) = (-\frac{16}{5}) = (-3\frac{1}{5})$

$(\frac{1}{2})^{(-2)} + (-\frac{1}{3}) = \frac{11}{3} = 3\frac{2}{3}$