Arithmetic of Exponents (Negative Fractional Exponents)

Name: _____ Date: _____ Score: _____

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

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

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

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

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

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

$(\frac{1}{3})^{0} + \frac{1}{5} =$

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

$(\frac{1}{6})^{(-1)} + (-\frac{1}{3}) =$

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

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

$(-\frac{3}{4})^{0} + (-\frac{3}{4}) =$

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

$(\frac{3}{5})^{2} + \frac{1}{6} =$

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

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

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

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

$(-\frac{1}{6})^{(-2)} - (-\frac{3}{4}) =$

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

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$(\frac{2}{5})^{(-2)} + (-\frac{2}{5}) = \frac{117}{20} = 5\frac{17}{20}$

$(-\frac{2}{5})^{(-2)} + \frac{1}{4} = \frac{13}{2} = 6\frac{1}{2}$

$(-\frac{3}{4})^{(-1)} - \frac{1}{4} = (-\frac{19}{12}) = (-1\frac{7}{12})$

$(\frac{1}{3})^{0} + \frac{1}{5} = \frac{6}{5} = 1\frac{1}{5}$

$(\frac{1}{6})^{(-1)} + (-\frac{1}{3}) = \frac{17}{3} = 5\frac{2}{3}$

$(-\frac{3}{5})^{(-1)} - (-\frac{3}{4}) = (-\frac{11}{12})$

$(-\frac{2}{5})^{(-1)} - \frac{1}{3} = (-\frac{17}{6}) = (-2\frac{5}{6})$

$(\frac{3}{4}) - \frac{1}{5} = \frac{11}{20}$

$(\frac{3}{5})^{(-2)} + (-\frac{1}{3}) = \frac{22}{9} = 2\frac{4}{9}$

$(-\frac{1}{6})^{(-2)} - (-\frac{3}{4}) = \frac{147}{4} = 36\frac{3}{4}$

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

$(\frac{1}{2})^{(-1)} - (-\frac{3}{4}) = \frac{11}{4} = 2\frac{3}{4}$

$(\frac{1}{3})^{2} - (-\frac{1}{5}) = \frac{14}{45}$

$(\frac{2}{5})^{(-1)} + \frac{3}{5} = \frac{31}{10} = 3\frac{1}{10}$

$(-\frac{1}{2})^{2} - (-\frac{1}{6}) = \frac{5}{12}$

$(-\frac{3}{4})^{0} + (-\frac{3}{4}) = \frac{1}{4}$

$(\frac{3}{5})^{2} + \frac{1}{6} = \frac{79}{150}$

$(-\frac{1}{2})^{2} - (-\frac{3}{5}) = \frac{17}{20}$

$(\frac{3}{5})^{(-1)} + (-\frac{1}{4}) = \frac{17}{12} = 1\frac{5}{12}$

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