



five fractions, order of operations with brackets

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

$$\left(\frac{1}{3} - \left(\frac{1}{3}\right)^2\right) \times \frac{1}{4} - \left(\frac{2}{5} + \frac{2}{5}\right)^2 =$$

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

$$\left(\left(\frac{3}{4}\right)^2 - \frac{1}{5}\right) \times \frac{1}{2} + \left(\frac{3}{5} + \frac{2}{5}\right)^2 =$$

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

$$\left(\frac{2}{5} - \frac{1}{6}\right)^2 - \frac{1}{4}\left(\frac{1}{3} - \left(\frac{3}{5}\right)^2\right) =$$

$$\left(\frac{1}{2} + \frac{3}{4}\right)^2 + \frac{1}{6}\left(\frac{3}{4} + \left(\frac{3}{2}\right)^2\right) =$$

$$\left(\left(\frac{1}{3}\right)^2 - \frac{1}{2}\right) \times \frac{3}{5} + \left(\frac{1}{6} + \frac{3}{4}\right)^2 =$$

$$\left(\frac{2}{5} - \left(\frac{3}{2}\right)^2\right) \times \frac{1}{3} + \left(\frac{1}{3} - \frac{3}{4}\right)^2 =$$

$$\left(\frac{3}{4} - \left(\frac{2}{5}\right)^2\right) \times \frac{1}{3} + \left(\frac{3}{5} + \frac{1}{6}\right)^2 =$$

$$\left(3 + \frac{3}{4}\right)^2 + \frac{1}{2} + \frac{1}{3} + 4^2 =$$



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$$\left(\frac{1}{3} - \left(\frac{1}{3}\right)^2\right) \times \frac{1}{4} - \left(\frac{2}{5} + \frac{2}{5}\right)^2 = \left(-\frac{263}{450}\right)$$

$$\left(\left(\frac{1}{3}\right)^2 - \frac{1}{2}\right) \times \frac{2}{5} - \left(\frac{1}{2} + \frac{1}{2}\right)^2 = \left(-\frac{52}{45}\right) = \left(-1\frac{7}{45}\right)$$

$$\left(\left(\frac{3}{4}\right)^2 - \frac{1}{5}\right) \times \frac{1}{2} + \left(\frac{3}{5} + \frac{2}{5}\right)^2 = \frac{189}{160} = 1\frac{29}{160}$$

$$\left(\frac{3}{2} - \frac{3}{5}\right)^2 + \frac{1}{6}\left(\frac{1}{3} - \frac{1}{3}\right) = \frac{81}{100}$$

$$\left(\frac{2}{5} - \frac{1}{6}\right)^2 - \frac{1}{4}\left(\frac{1}{3} - \left(\frac{3}{5}\right)^2\right) = \frac{11}{180}$$

$$\left(\frac{1}{2} + \frac{3}{4}\right)^2 + \frac{1}{6}\left(\frac{3}{4} + \left(\frac{3}{2}\right)^2\right) = \frac{33}{16} = 2\frac{1}{16}$$

$$\left(\left(\frac{1}{3}\right)^2 - \frac{1}{2}\right) \times \frac{3}{5} + \left(\frac{1}{6} + \frac{3}{4}\right)^2 = \frac{437}{720}$$

$$\left(\frac{2}{5} - \left(\frac{3}{2}\right)^2\right) \times \frac{1}{3} + \left(\frac{1}{3} - \frac{3}{4}\right)^2 = \left(-\frac{319}{720}\right)$$

$$\left(\frac{3}{4} - \left(\frac{2}{5}\right)^2\right) \times \frac{1}{3} + \left(\frac{3}{5} + \frac{1}{6}\right)^2 = \frac{353}{450}$$

$$\left(3 + \frac{3}{4}\right)^2 + \frac{1}{2} + \frac{1}{3} + 4^2 = \frac{1483}{48} = 30\frac{43}{48}$$