



Name: _____

Date: _____ Score: _____

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

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

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

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

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

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

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

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

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

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



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$$\left(\frac{1}{6} + \frac{2}{5}\right)^2 - \frac{1}{2}\left(\frac{1}{2} - \left(\frac{1}{3}\right)^2\right) = \frac{19}{150}$$

$$\left(\frac{1}{4} + \frac{3}{4}\right)^2 + \frac{1}{2}\left(\frac{3}{4} - \left(\frac{2}{3}\right)^2\right) = \frac{83}{72} = 1\frac{11}{72}$$

$$\left(\frac{1}{5} + \left(\frac{1}{3}\right)^2\right) \times \frac{2}{3} - \left(\frac{1}{6} + \frac{3}{2}\right)^2 = \left(-\frac{347}{135}\right) = \left(-2\frac{77}{135}\right)$$

$$\left(\frac{1}{3} - \frac{1}{2}\right)^2 + \frac{1}{6}\left(\frac{1}{4} - \frac{1}{5}\right) = \frac{13}{360}$$

$$\left(\left(\frac{2}{3}\right)^2 - \frac{1}{5}\right) \times \frac{1}{2} + \left(\frac{3}{2} + \frac{1}{2}\right)^2 = \frac{371}{90} = 4\frac{11}{90}$$

$$\left(\frac{1}{3} - \frac{2}{3}\right)^2 - \frac{1}{2}\left(\frac{1}{5} + \left(\frac{3}{2}\right)^2\right) = \left(-\frac{401}{360}\right) = \left(-1\frac{41}{360}\right)$$

$$\left(3 - \frac{3}{4}\right)^2 + \frac{3}{5} \times 5^2 \times \frac{3}{2} = \frac{441}{16} = 27\frac{9}{16}$$

$$\left(5 + \frac{3}{4}\right)^2 - \frac{3}{5} \times 2^2 - \frac{2}{5} = \frac{2421}{80} = 30\frac{21}{80}$$

$$\left(3 - \frac{2}{3}\right)^2 - \frac{3}{2} - \frac{1}{6} + 2^2 = \frac{70}{9} = 7\frac{7}{9}$$

$$\left(4 + \frac{2}{3}\right)^2 - \frac{1}{6} + \frac{3}{5} + 2^2 = \frac{2359}{90} = 26\frac{19}{90}$$