Nom: _____ Date: _____

Effectuez chaque expression à l'aide de l'ordre correct des opérations.

$\left(\dfrac{2}{3} - \dfrac{1}{9}\right)^{2} \times \dfrac{1}{5}$

$\dfrac{8}{9} \times \left(\left(\dfrac{3}{4}\right)^{2} + \dfrac{2}{3}\right)$

$\left(\dfrac{5}{9}\right)^{2} \div \dfrac{8}{9} + \dfrac{1}{8}$

$\dfrac{2}{9} \div \left(\dfrac{1}{2}\right)^{3} - \dfrac{2}{5}$

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

$\dfrac{3}{8} - \left(\dfrac{1}{3}\right)^{3} \div \dfrac{1}{9}$

$\dfrac{3}{4} \times \left(\dfrac{4}{5} - \left(\dfrac{3}{5}\right)^{2}\right)$

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

$\left(\dfrac{1}{2}\right)^{3} \times \left(\dfrac{1}{9} + \dfrac{5}{9}\right)$

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Effectuez chaque expression à l'aide de l'ordre correct des opérations.

$$\left(\frac{2}{3} - \frac{1}{9}\right)^2 \times \frac{1}{5}$$

$$= \left(\frac{5}{9}\right)^2 \times \frac{1}{5}$$

$$= \frac{25}{81} \times \frac{1}{5}$$

$$= \frac{5}{81}$$

$$\frac{8}{9} \times \left(\left(\frac{3}{4}\right)^2 + \frac{2}{3}\right)$$

$$= \frac{8}{9} \times \left(\frac{9}{16} + \frac{2}{3}\right)$$

$$= \frac{8}{9} \times \frac{59}{48}$$

$$= \frac{59}{54}$$

$$= 1\frac{5}{54}$$

$$\left(\frac{5}{9}\right)^2 \div \frac{8}{9} + \frac{1}{8}$$

$$= \frac{25}{81} \div \frac{8}{9} + \frac{1}{8}$$

$$= \frac{25}{72} + \frac{1}{8}$$

$$= \frac{17}{36}$$

$$\frac{2}{9} \div \left(\frac{1}{2}\right)^3 - \frac{2}{5}$$

$$= \frac{2}{9} \div \frac{1}{8} - \frac{2}{5}$$

$$= \frac{16}{9} - \frac{2}{5}$$

$$= \frac{62}{45}$$

$$= 1\frac{17}{45}$$

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

$$= \frac{9}{16} \times \frac{3}{5} + \frac{1}{2}$$

$$= \frac{27}{80} + \frac{1}{2}$$

$$= \frac{67}{80}$$

$$\frac{3}{8} - \left(\frac{1}{3}\right)^3 \div \frac{1}{9}$$

$$= \frac{3}{8} - \frac{1}{27} \div \frac{1}{9}$$

$$= \frac{3}{8} - \frac{1}{3}$$

$$= \frac{1}{24}$$

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

$$= \frac{3}{4} \times \left(\frac{4}{5} - \frac{9}{25}\right)$$

$$= \frac{3}{4} \times \frac{11}{25}$$

$$= \frac{33}{100}$$

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

$$= \frac{3}{4} - \frac{1}{6} \div \frac{16}{25}$$

$$= \frac{3}{4} - \frac{25}{96}$$

$$= \frac{47}{96}$$

$$\left(\frac{1}{2}\right)^3 \times \left(\frac{1}{9} + \frac{5}{9}\right)$$

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

$$= \frac{1}{8} \times \frac{2}{3}$$

$$= \frac{1}{12}$$