

Zabdy Andrea Apén García.

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a) **Indicaciones** Resuelva las siguientes operaciones en tu cuaderno y envíe evidencia de su trabajo.

$$b) \frac{6}{12} + \left(\frac{4}{9} \right) \left(\frac{9}{6} \right) =$$

$$\begin{array}{r} 1 \\ 6 \overline{) 7} \\ -6 \\ \hline 1 \end{array}$$

$$\begin{array}{r|l} 12 & 27 & 2 \\ 6 & 27 & 2 \\ \hline 3 & 27 & 3 \\ 1 & 9 & 3 \\ 1 & 3 & 3 \\ \hline 1 & 1 & 108 \end{array}$$

$$\frac{6}{12} + \left(\frac{4}{9} \cdot \frac{9}{6} \right) =$$

$$\frac{6}{12} + \frac{36}{54} = \frac{6}{12} + \frac{18}{27} =$$

$$\frac{54 + 72}{108} = \frac{126}{108} = \frac{63}{54} = \frac{7}{6} = 1 \frac{1}{6}$$

$$c) \frac{6}{10} - \left(\frac{7}{9} \right) \div \left(\frac{10}{6} \right) =$$

$$\begin{array}{r|l} 5 & 45 & 5 \\ 1 & 9 & 9 \\ \hline 1 & 1 & 45 \\ 1 & & \end{array}$$

$$\frac{6}{10} - \left(\frac{7}{9} \cdot \frac{10}{6} \right) = \frac{6}{10} - \frac{42}{90} =$$

$$\frac{3}{5} - \frac{21}{45} = \frac{27 - 21}{45} = \frac{6}{45} = \frac{2}{15}$$

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d) $\frac{3}{12} \left(\frac{4}{9} \right) \left(\frac{9}{6} \right) + \frac{4}{12} =$

$$\frac{3}{12} \cdot \left(\frac{4}{9} \cdot \frac{9}{6} \right) + \frac{4}{12} =$$

$$\frac{3}{12} \cdot \frac{36}{54} + \frac{4}{12} = \frac{108}{648} = \frac{54}{314} = \frac{27}{157}$$

$$\frac{27}{157} + \frac{1}{3} = \frac{81 + 157}{471} = \frac{238}{471} = 1 \frac{233}{471}$$

e) $6 \frac{8}{5} + \left(7 \frac{4}{9} \right) 3 \left(2 \frac{9}{6} \right) 4 =$

$$\frac{38}{5} + \left(\frac{67}{9} \right) 3 \left(\frac{21}{6} \right) 4 =$$

$$\frac{38}{5} + \frac{201}{9} \cdot \frac{84}{6} =$$

$$\frac{38}{5} + \frac{938}{3} = \frac{114 + 4690}{15} = \frac{4804}{15} = 32 \frac{10}{15}$$

Handwritten calculations and division problems are visible in the background of the grid paper.

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f) $\frac{6}{12} + \left(\frac{4}{9}\right)\left(\frac{9}{6}\right)\frac{4}{3} - \frac{7}{6} + 9 =$

$\frac{6}{12} + \frac{36}{54} \cdot \frac{4}{3} - \frac{7}{6} + \frac{9}{1} =$

$\frac{6}{12} + \frac{144}{162} - \frac{7}{6} + \frac{9}{1} =$

$\frac{486 + 864 - 1134 + 8748}{972} = \frac{10,098 - 1134}{972} = \frac{8964}{972} =$

$\frac{4482}{972} = \frac{2241}{486} = \frac{747}{162} = \frac{249}{54} = 4 \frac{33}{54}$

$$\begin{array}{r} 4 \\ 54 \overline{) 249} \\ \underline{-216} \\ 33 \end{array}$$