

Combinación de fracciones NAYDELIN LUNA

Tarea Combinación de

410. Juvicio
NAYDELIN LUNA

Fraciones

$$a) \frac{6}{12} + \left(\frac{4}{9}\right)\left(\frac{9}{6}\right) = \frac{6}{12} + \frac{36}{54} = \frac{54}{108} + \frac{72}{108}$$

$$= \frac{126}{108} = \frac{63}{54} = \frac{21}{18} = \frac{7}{6} = \frac{1}{6} \boxed{1 \frac{1}{6}}$$

$$b) \frac{3}{12} \left(\frac{4}{9}\right) + \left(\frac{9}{6}\right) + \frac{4}{12} = \frac{3}{12} \cdot \frac{4}{9} + \frac{9}{6} + \frac{4}{12} = \frac{12}{108} + \frac{9}{6} + \frac{4}{12}$$

$$= \frac{108}{648} + \frac{4}{12} = \frac{108}{648} + \frac{216}{648} = \frac{324}{648} = \frac{162}{324} = \frac{81}{162} = \frac{1}{2} \boxed{\frac{1}{2}}$$

$$c) \left(\frac{8}{5}\right) + \left(\frac{4}{9}\right) 3 \left(\frac{29}{6}\right) 4 = \frac{8}{5} + \frac{67}{9} \cdot \frac{3}{7} \cdot \frac{27}{6} \cdot \frac{4}{7}$$

$$\frac{8}{5} + 16,884 = \frac{38}{5} + 16,884 = \frac{2052}{270} + \frac{84,420}{270}$$

$$= \frac{86,472}{270} = \frac{43,236}{135} = \frac{14,412}{45} = \frac{4,804}{15} = \boxed{320 \frac{3}{6}}$$

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

$$= \frac{6}{12} + \frac{36}{54} \cdot \frac{4}{3} - \frac{7}{6} + 9 = \frac{6}{12} + \frac{144}{762} - \frac{7}{6} + 9 = 11$$

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

$$= \frac{6}{12} + \frac{36}{54} \cdot \frac{4}{3} - \frac{7}{6} + \frac{9}{1} = \frac{6}{12} + \frac{744}{762} = \frac{7}{6} + \frac{9}{1}$$

$$\frac{762 + 288 - 378 + 2,910}{324} = \frac{2,980}{324} = \frac{7444}{762}$$

$$= \frac{747}{81} - \frac{244}{27} - \frac{83}{9} = \boxed{\frac{92}{2}}$$