

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

$$\frac{7}{6} + 9 = \frac{6}{12} + \frac{144}{162} - \frac{7}{6} + 9 = \frac{6}{12} + \frac{8}{9} - \frac{7}{6} + 9$$

2	2	3	3
6	9	3	1
3	9	3	1
1	3	1	1
1	1	1	1
			36

$$\frac{144}{162} = \frac{72}{81} = \frac{24}{27} = \frac{8}{9}$$

$$\frac{18 + 32 - 42 + 324}{36} = \frac{3 + 2 - 42}{36} = \frac{330}{36} =$$

$$\frac{165}{18} = \frac{55}{6}$$

$$\frac{510}{9} //$$

$$d) \frac{3}{12} \left(\frac{4}{9} \right) \left(\frac{9}{6} \right) + \frac{4}{12} = \frac{108}{648} + \frac{4}{12} = \frac{1}{6} + \frac{4}{12}$$

6	12	2
3	6	2
3	3	3
		12

$$\frac{2+4}{12} = \frac{6}{12}$$

$$\frac{108}{648} = \frac{54}{324} = \frac{27}{162} = \frac{9}{54} = \frac{3}{18} = \frac{1}{6} = \frac{3}{6} =$$

$$\frac{1}{2}$$

$$e) 6 \frac{8}{5} + \left(7 \frac{4}{9} \right)^3 \left(\frac{29}{6} \right)^4 = \frac{38}{5} + \left(\frac{67}{9} \times \frac{3}{1} \times \frac{21}{6} \times \frac{4}{1} \right)$$

$$\frac{38}{5} + \frac{16,884}{54} = \frac{16,922}{54} = \frac{8461}{30} =$$

$$\frac{4230}{18} = \frac{2115}{9}$$

$$\frac{705}{1}$$

Elsy Regina Maldonado Castillo Semana 3

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

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

6	54	2
6	27	2
3	27	3
1	9	3
1	3	3
		108

$$\frac{54 + 72}{108} = \frac{126}{108} = \frac{63}{54} = \frac{21}{18} = \frac{7}{6} = 1\frac{1}{6}$$

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

6	90	2
5	45	5
1	9	3
1	3	3
1	1	90

$$\frac{54 - 42}{90} = \frac{12}{90} = \frac{6}{45} = \frac{3}{15} = \frac{1}{5}$$