

ΑΣΚΗΣΕΙΣ**Να γίνουν οι πράξεις****ΠΡΟΣΟΧΗ****1)ΜΕΤΑΤΡΕΨΤΕ ΤΟΥΣ ΜΙΚΤΟΥΣ ΣΕ ΚΛΑΣΜΑΤΑ****2)ΑΚΟΛΟΥΘΕΙΣΤΕ ΤΗ ΠΡΟΤΕΡΑΙΟΤΗΤΑ ΤΩΝ ΠΡΑΞΕΩΝ****3)ΠΡΟΣΘΕΣΕΙΣ ΚΑΙ ΑΦΑΙΡΕΣΕΙΣ ΝΑ ΓΙΝΟΝΤΑΙ ΜΕ ΤΗ ΣΕΙΡΑ ΠΟΥ ΣΗΜΕΙΩΝΟΝΤΑΙ**

$$\alpha) \left(\frac{1}{2} + \frac{1}{3} \cdot 4\right) \cdot \left(1 - \frac{1}{2}\right) + 2 \cdot \frac{1}{2} - \frac{3}{2} = \dots, \quad \left(\frac{5}{12}\right) \quad \beta) 2\frac{1}{3} + 3 \cdot \frac{1}{2} - 4\left(\frac{5}{3} - \frac{3}{4}\right) = \dots, \quad \left(\frac{1}{6}\right)$$

$$\gamma) \frac{2^2 + 1}{3^2} + \frac{3^2 - 2}{2^2} \cdot \frac{2}{3} - 1^5 = \dots, \quad \left(\frac{13}{18}\right) \quad \delta) 2\frac{1}{5} + \frac{3}{2} \cdot \frac{4}{5} - 5 \div \frac{15}{8} + \frac{1}{3} \div \frac{5}{4} = \dots, \quad (1)$$

$$\epsilon) 2 \cdot \frac{3}{5} - \frac{1}{5} \div \frac{1}{4} = \dots, \quad \left(\frac{2}{5}\right) \quad \sigma\tau) 2\frac{2}{3} - \frac{1}{3} \div \left(\frac{5}{6} - \frac{2}{3}\right) = \dots, \quad \left(\frac{2}{3}\right)$$

$$\zeta) 2 \cdot \frac{3}{5} - \frac{1}{5} \div \frac{4}{15} + 2 \cdot \left(\frac{1}{2} - \frac{1}{3}\right) = \dots, \quad \left(\frac{47}{60}\right) \quad \iota\epsilon) 2 \cdot \left(1 - \frac{1}{3}\right) \cdot \left(1 + \frac{2}{3}\right) + \left(1 + \frac{3}{4} - \frac{1}{3}\right) \div \left(2\frac{1}{2} - 1\frac{1}{3}\right) = \dots, \quad \left(3\frac{55}{126}\right)$$

$$\iota\sigma\tau) (2\alpha + \beta) \cdot (2\alpha - \beta), \text{ όταν } \alpha = \frac{1}{2} \text{ και } \beta = \frac{1}{3} \quad \left(\frac{8}{9}\right) \quad \iota\zeta) \alpha \cdot (\alpha + \beta) + 2\alpha \cdot (\alpha - \beta) + 3 \cdot \alpha \cdot \beta = \dots, \text{ όταν } \alpha = 1, \beta = \frac{2}{3} \quad \left(\frac{13}{3}\right)$$

$$\eta) \alpha(\alpha + 2\beta - \gamma) + (2\alpha - \beta + 3\gamma) - \alpha\beta\gamma, \text{ όταν } \alpha = 2, \beta = \frac{2}{3}, \gamma = \frac{1}{4}, \quad \left(9\frac{11}{12}\right) \quad \iota\theta) \frac{2 \cdot \left(2 - \frac{2}{3}\right) - \frac{4}{5}}{\left(1 + \frac{2}{3}\right) \cdot \left(1 - \frac{2}{3}\right)} \quad \left(3\frac{9}{25}\right)$$

$$\kappa) \frac{\left(1\frac{1}{3} - \frac{1}{2}\right) \div \frac{2}{3} + 1\frac{2}{3} \div \left(1 - \frac{1}{3}\right)}{2 \div \frac{3}{4} + 2 \cdot \left(1\frac{1}{3} - \frac{1}{2}\right)} = \dots \quad \left(\frac{45}{52}\right) \quad \lambda) \left(\frac{9}{5} - \frac{3}{2}\right)^2 - \left(\frac{1}{4} - \frac{1}{5}\right) + \left(3^2 \div \frac{3}{2}\right)^2 + 1^{15} = \dots \quad \left(37\frac{4}{100}\right)$$

$$\mu) \frac{3 - \frac{1}{3}}{5 - \frac{1}{3}} \div \frac{2^2}{7} - \frac{\frac{3}{2} \cdot \frac{1}{3^2}}{\frac{2}{7}} \cdot \frac{2^3}{7} = \dots \quad \left(\frac{1}{3}\right) \quad \nu) 9 \cdot \left(2 - \frac{1}{3}\right)^2 - \frac{4^2}{16} - \frac{6^2}{9} = \dots \quad (18) \quad \eta) \left(5\frac{2}{5} + 1 - 2\frac{1}{2}\right) \div \left(1 - \frac{3}{4}\right) = \dots \quad \left(\frac{1}{3}\right)$$

$$\theta) \left(2 - \frac{1}{2}\right) \div \left(3 - \frac{1}{3}\right) = \dots \quad \left(\frac{9}{16}\right) \quad \iota) \frac{2}{3} \cdot \left(2\frac{3}{5} + 1\right) - \left(\frac{1}{2} - \frac{1}{3} - \frac{1}{8}\right) = \dots \quad \left(2\frac{43}{120}\right) \quad \iota\alpha) \frac{3}{4} \cdot 2 - \frac{1}{2} + 1\frac{2}{3} - \frac{1}{4} \div \frac{1}{6} = \dots \quad \left(\frac{7}{6}\right)$$

$$\iota\beta) (2 \cdot 3)^2 \cdot \frac{1}{4} - \frac{2}{3} \div \frac{1}{6} - 2\frac{1}{3} = \dots \quad \left(\frac{8}{3}\right) \quad \iota\gamma) (3 \cdot 2^2) \div \frac{4}{3} - \frac{1}{2} \cdot \left(\frac{1}{2} - \frac{1}{4} - \frac{1}{8}\right) = \dots \quad \left(8\frac{15}{16}\right)$$

$$\iota\delta) \left(2 + \frac{3}{4}\right) \div \frac{1}{2} + 5\frac{1}{3} \cdot \frac{6}{7} - \left(\frac{2}{3} \div \frac{1}{4}\right) = \dots \quad \left(7\frac{17}{42}\right)$$