

Арифметика 14

A)

$$\begin{aligned}K &= \frac{2019^0 - \frac{2}{3}}{\left(\frac{2}{3}\right)^2} - \frac{5}{8} = \frac{\overset{3}{1} - \frac{2}{3}}{\frac{4}{9}} - \frac{5}{8} = \\&= \frac{\frac{3-2}{3}}{\frac{4}{9}} - \frac{5}{8} = \frac{\frac{1}{3}}{\frac{4}{9}} - \frac{5}{8} = \frac{\overset{3}{1} \cdot 1}{\cancel{3} \cdot 4} - \frac{5}{8} = \frac{\overset{2}{3}}{4} - \frac{5}{8} = \\&= \frac{6-5}{8} = \frac{1}{8}.\end{aligned}$$

$$\Lambda = \left(\frac{3}{2} - 1\right) : \left(1 \frac{3}{4}\right) = \left(\frac{3}{2} - \frac{2}{2}\right) : \frac{7}{4} = \left(\frac{1}{2}\right) \cdot \frac{4}{7} = \frac{1}{4} \cdot \frac{4}{7} = \frac{1}{7}.$$

$$M = 5 \cdot \left(-\frac{2}{21}\right) \cdot \frac{3}{5} = -\frac{\cancel{5} \cdot 2 \cdot \cancel{3}}{\cancel{21} \cdot \cancel{5}} = -\frac{2}{7}.$$

$$B) \quad A = \frac{16K - 7\Lambda}{\frac{M}{\Lambda}} = \frac{16 \cdot \frac{1}{8} - 7 \cdot \frac{1}{7}}{-\frac{\frac{2}{7}}{\frac{1}{7}}} = \frac{2 - 1}{-2} = -\frac{1}{2}.$$

$$\begin{aligned}\Gamma) \quad B &= \Lambda - M + |\Lambda + M| = \frac{1}{7} - \left(-\frac{2}{7}\right) + \left|\frac{1}{7} + \left(-\frac{2}{7}\right)\right| = \\&= \frac{1}{7} + \frac{2}{7} + \left|\frac{1}{7} - \frac{2}{7}\right| = \frac{3}{7} + \left|-\frac{1}{7}\right| = \frac{3}{7} + \frac{1}{7} = \frac{4}{7}.\end{aligned}$$

Άσκηση 2

A) Ποσοστό Αποχής:

$$\begin{aligned} \text{Δεν ψήφισαν: } & 50.000 - 30.000 = 20.000 \text{ ψήφιστες} \\ \text{Άρα ποσοστό αποχής} & = \frac{20.000}{50.000} \cdot 100 = 0,4 \cdot 100 = 40\% \end{aligned}$$

$$B) A = 30\% \cdot 30.000 = \frac{30}{100} \cdot 30.000 = 9.000 \text{ ψήφιστες}$$

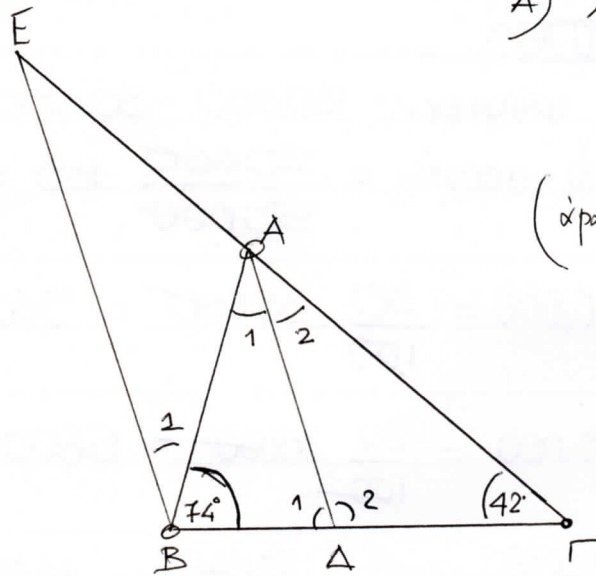
$$B = 22\% \cdot 30.000 = \frac{22}{100} \cdot 30.000 = 6.600 \text{ ψήφιστες}$$

$$\Gamma = 48\% \cdot 30.000 = \frac{48}{100} \cdot 30.000 = 14.400 \text{ ψήφιστες}$$

$$r) A/\lambda = \frac{3000}{30000} = \frac{3}{30} = \frac{1}{10} \text{ αυτών που ψήφισαν}$$

$$\hat{=} \text{ ή } \text{σε ποσοστό } \frac{1}{10} = 0,1 = 10\%$$

Άσκηση 34



$$\begin{aligned} \text{A) } \hat{A} &= 180^\circ - (74^\circ + 42^\circ) \\ &= 180^\circ - 116^\circ \\ &= 64^\circ \end{aligned}$$

$$\left(\text{όρα } \hat{A}_1 = \hat{A}_2 = \frac{\hat{A}}{2} = \frac{64^\circ}{2} = 32^\circ \right)$$

β) 1. Η γωνία $\hat{A}_1 = \hat{B}_1 = 32^\circ$ ως εως εναντίον των $BE \parallel AD$ με τέτοια AB .

2. Η γωνία $\hat{A}_2 = \hat{E} = 32^\circ$ ως εως εως & εναντίον των $BE \parallel AD$ με τέτοια GE .

γ) $\hat{B}_1 = \hat{E} = 32^\circ$ όρα ισοσκελές και $\hat{BAE} = 180^\circ - 64^\circ = 116^\circ > 90^\circ$ και αββήγωνιο.

$$\begin{aligned} \text{Δ) } \hat{\Delta}_1 &= 180^\circ - (74^\circ + 32^\circ) = 180^\circ - 106^\circ = 74^\circ \\ &\quad (\hat{A} \hat{B} \hat{\Delta} \text{ ισοσκελές}) \end{aligned}$$

$$\hat{\Delta}_2 = 180^\circ - (42^\circ + 32^\circ) = 180^\circ - 74^\circ = 106^\circ.$$