

ΓΥΜΝΑΣΙΟ.....

ΤΑΞΗ Α' ΓΥΜΝΑΣΙΟΥ

ΟΝΟΜΑ:

ΗΜΕΡΟΜΗΝΙΑ:

ΠΡΑΞΕΙΣ ΜΕ ΡΗΤΟΥΣ ΑΡΙΘΜΟΥΣ

..Να κάνετε τις πράξεις:

$$\frac{48}{-2-10} = \frac{48}{-12} = -4$$

$$\frac{-80}{5-13} = \frac{-80}{-8} = 10$$

$$\frac{(-2) \cdot (-3) + 12}{-4-2} = \frac{6+12}{-6} = \frac{18}{-6} = -3$$

$$\frac{(-4) \cdot 5 - 10}{7-17} = \frac{-20-10}{-10} = \frac{-30}{-10} = 3$$

$$\frac{-2 + (-3) \cdot (-2)}{-2-4 \cdot (-1)} = \frac{-2+6}{-2+4} = \frac{4}{2} = 2$$

$$\begin{aligned} [10-10 : (-10)] : [-10 : (10:10)] &= \\ (10+1) : (-10:1) = 11 : (-10) &= -1,1 \end{aligned}$$

$$\begin{aligned} \frac{(-1) \cdot (-2) \cdot (-3)}{-4} - \frac{(-1) \cdot (-2) \cdot (-4)}{-3} &= \\ \frac{-6}{-4} - \frac{-8}{-3} = \frac{3}{2} - \frac{8}{3} = \frac{9}{6} - \frac{16}{6} = -\frac{7}{6} = -1\frac{1}{6} \end{aligned}$$

$$\left(\frac{-3}{5} - \frac{1}{-5}\right) : \left(-\frac{2}{5}\right) = \left(-\frac{3}{5} + \frac{1}{5}\right) \cdot \left(-\frac{5}{2}\right) = \left(-\frac{2}{5}\right) \cdot \left(-\frac{5}{2}\right) = 1$$

$$\begin{aligned} \left(\frac{-1}{2} - \frac{3}{-4} + \frac{-5}{6}\right) : \left(-\frac{7}{12}\right) &= \left(-\frac{1}{2} + \frac{3}{4} - \frac{5}{6}\right) \cdot \left(-\frac{12}{7}\right) = \\ \left(-\frac{6}{12} + \frac{9}{12} - \frac{10}{12}\right) \cdot \left(-\frac{12}{7}\right) &= \left(-\frac{7}{12}\right) \cdot \left(-\frac{12}{7}\right) = 1 \end{aligned}$$

$$\begin{aligned} \frac{12 : (-4) - 2 \cdot (-3) - (-63) : (-7)}{(-1) \cdot (-2) \cdot (-3)} &= \\ \frac{-3+6-9}{-6} = \frac{-6}{-6} &= 1 \end{aligned}$$

$$\text{Δίνονται οι αριθμοί } x=12: (-3)-(-18): (-9) = -4-2=-6$$

Και $y=4: (-\frac{1}{2})+8: (-2)=-8-4=-12$.

Να υπολογίσετε τις παραστάσεις:

$$x+y=-6-12=-18 \quad x-y=-6-(-12)=-6+12=6 \quad x \cdot y=(-6) \cdot (-12)=72$$

$$x:y=(-6):(-12)=0,5 \quad \frac{x+y}{x-y}=\frac{-18}{6}=-3$$

$$\frac{x \cdot y - y}{x} = \frac{72 - (-12)}{-6} = \frac{84}{-6} = -14$$