

BỒI DƯỠNG NĂNG LỰC TOÁN 6

HƯỚNG DẪN BÀI TẬP VỀ NHÀ

Tài liệu lớp học Zoom 6.1 - 18h - 21h15 - Tối thứ 3 - 23/26 Nguyễn Hồng

Họ và tên: Ngày học:

CA 2

Câu 9. Thực hiện phép tính (hợp lý nếu có thể)

e) $\frac{1}{3} : \left(0,75 + \frac{1}{3}\right) - 50\% \cdot 2023^0$

f) $\frac{8}{11} + \frac{-6}{11} \cdot \frac{4}{13} - \frac{4}{11} \cdot \frac{7}{13}$

g) $(-2,5) \cdot 0,65 - 1,5 \cdot 0,3 + (-0,35) \cdot 1,5$

HD:

e) $\frac{1}{3} : \left(0,75 + \frac{1}{3}\right) - 50\% \cdot 2023^0 = \frac{1}{3} : \left(\frac{3}{4} + \frac{1}{3}\right) - \frac{1}{2} \cdot 1 = \frac{1}{3} : \frac{13}{12} - \frac{1}{2} = \frac{1}{3} \cdot \frac{12}{13} - \frac{1}{2} = \frac{4}{13} - \frac{1}{2} = \frac{-5}{26}$

f) $\frac{8}{11} + \frac{-6}{11} \cdot \frac{4}{13} - \frac{4}{11} \cdot \frac{7}{13} = 2 \cdot \frac{4}{11} + \frac{-6}{11} \cdot \frac{4}{13} - \frac{4}{11} \cdot \frac{7}{13} = \frac{4}{11} \left(2 + \frac{-6}{13} - \frac{7}{13}\right) = \frac{4}{11} \cdot (2-1) = \frac{4}{11}$

g) $(-2,5) \cdot 0,65 - 1,5 \cdot 0,3 + (-0,35) \cdot 1,5 = (-2,5) \cdot 0,65 - 1,5 \cdot (0,3 + 0,35) = (-2,5) \cdot 0,65 - 1,5 \cdot 0,65 = 0,65 \cdot (-2,5 - 1,5) = 0,65 \cdot (-4) = -2,6$

Câu 10. Tìm x, biết

a) $x - \frac{4}{9} = \frac{5}{6} + \frac{1}{2}$

b) $\frac{2}{5} + \frac{3}{5}x = \frac{-1}{3}$

c) $4\frac{5}{11}x - 1\frac{5}{11}x = \frac{9}{7}$

g) $\frac{2}{5} \left(\frac{1}{2} - \frac{1}{2}x\right) - \frac{3}{5} \left(\frac{1}{3}x - \frac{10}{3}\right) = -\frac{1}{4}$

HD:

a) $x - \frac{4}{9} = \frac{5}{6} + \frac{1}{2} \Rightarrow x = \frac{5}{6} + \frac{1}{2} + \frac{4}{9} \Rightarrow x = \frac{15}{18} + \frac{9}{18} + \frac{8}{18} \Rightarrow x = \frac{32}{18} = \frac{16}{9}$

b) $\frac{2}{5} + \frac{3}{5}x = \frac{-1}{3} \Rightarrow \frac{3}{5}x = \frac{-1}{3} - \frac{2}{5} \Rightarrow \frac{3}{5}x = \frac{-5}{15} - \frac{6}{15} \Rightarrow \frac{3}{5}x = \frac{-11}{15} \Rightarrow x = \frac{-11}{15} : \frac{3}{5} \Rightarrow x = \frac{-11}{15} \cdot \frac{5}{3} = \frac{-11}{9}$

c) $4\frac{5}{11}x - 1\frac{5}{11}x = \frac{9}{7} \Rightarrow \frac{49}{11}x - \frac{16}{11}x = \frac{9}{7} \Rightarrow x \left(\frac{49}{11} - \frac{16}{11}\right) = \frac{9}{7} \Rightarrow x \cdot 3 = \frac{9}{7} \Rightarrow x = \frac{9}{7} : 3 \Rightarrow x = \frac{3}{7}$

g) $\frac{2}{5} \left(\frac{1}{2} - \frac{1}{2}x\right) - \frac{3}{5} \left(\frac{1}{3}x - \frac{10}{3}\right) = -\frac{1}{4} \Rightarrow \frac{1}{5} - \frac{1}{5}x - \frac{1}{5}x + 2 = -\frac{1}{4} \Rightarrow -\frac{2}{5}x = -\frac{1}{4} - 2 - \frac{1}{5} \Rightarrow -\frac{2}{5}x = -\frac{49}{20}$

$\Rightarrow x = \left(-\frac{49}{20}\right) : \left(-\frac{2}{5}\right) \Rightarrow x = \frac{49}{20} \cdot \frac{5}{2} = \frac{49}{8}$