

BỒI DƯỠNG NĂNG LỰC TOÁN 7
HƯỚNG DẪN BÀI TẬP VỀ NHÀ
Tài liệu lớp học Zoom 7.2- 10h15 – 11h45 – 23/26 Nguyễn Hồng

Họ và tên:Ngày học:

Câu 1. Tính

a) $\left(1 + \frac{3}{7} - \frac{1}{7}\right) : \left(3 + \frac{2}{7} - \frac{1}{21}\right)$

b) $\left(\frac{3}{5} - \frac{4}{15}\right) \cdot \left(\frac{2}{7} - \frac{3}{14}\right) - \left(\frac{5}{9} - \frac{7}{27}\right) \cdot \left(1 - \frac{3}{5}\right) + \left(1 - \frac{11}{12}\right) \cdot \left(1 + \frac{11}{12}\right)$

HD:

a) $\left(1 + \frac{3}{7} - \frac{1}{7}\right) : \left(3 + \frac{2}{7} - \frac{1}{21}\right) = \frac{9}{7} : \frac{68}{21} = \frac{27}{68}$

b) $\left(\frac{3}{5} - \frac{4}{15}\right) \cdot \left(\frac{2}{7} - \frac{3}{14}\right) - \left(\frac{5}{9} - \frac{7}{27}\right) \cdot \left(1 - \frac{3}{5}\right) + \left(1 - \frac{11}{12}\right) \cdot \left(1 + \frac{11}{12}\right) = \frac{1}{3} \cdot \frac{1}{14} - \frac{8}{27} \cdot \frac{2}{5} + \frac{1}{12} \cdot \frac{23}{12} = \frac{983}{15120}$

Câu 2. Tính

a) $\frac{7}{23} \cdot \left(\frac{-8}{6} - \frac{45}{18}\right)$

b) $25\frac{1}{2} : \left(\frac{-3}{5}\right) - 37\frac{1}{2} : \left(\frac{-3}{5}\right)$

HD:

a) $\frac{7}{23} \cdot \left(\frac{-8}{6} - \frac{45}{18}\right) = \frac{7}{23} \cdot \left(\frac{-8}{6} - \frac{15}{6}\right) = \frac{7}{23} \cdot \frac{-23}{6} = -1\frac{1}{6}$

b) $25\frac{1}{2} : \left(\frac{-3}{5}\right) - 37\frac{1}{2} : \left(\frac{-3}{5}\right) = \frac{51}{2} : \left(\frac{-3}{5}\right) - \frac{75}{2} : \left(\frac{-3}{5}\right) = \left(\frac{51}{2} - \frac{75}{2}\right) : \left(\frac{-3}{5}\right) = 20$

Câu 3. Tìm x.

a) $x \cdot \left(\frac{-3}{7}\right) = \frac{5}{21}$

b) $1\frac{5}{9} \cdot x = \frac{28}{9}$

c) $\frac{2}{3}x + \frac{5}{7} = \frac{3}{10}x$

HD:

a) $x \cdot \left(\frac{-3}{7}\right) = \frac{5}{21}$

b) $1\frac{5}{9} \cdot x = \frac{28}{9}$

c) $\frac{2}{3}x + \frac{5}{7} = \frac{3}{10}x$

$x = \frac{5}{21} : \left(\frac{-3}{7}\right)$

$\frac{14}{9}x = \frac{28}{9}$

$\left(\frac{2}{3} - \frac{3}{10}\right)x = \frac{-5}{7}$

$x = -\frac{5}{9}$

$x = \frac{28}{9} : \frac{14}{9}$

$\frac{11}{30}x = \frac{-5}{7}$

$x = 2$

$x = \frac{-5}{7} : \frac{11}{30} = \frac{-150}{77}$

VINASTUDY.VN