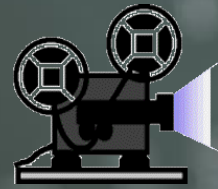


TRƯỜNG THCS HIỆP PHÚ



LỚP HỌC TRỰC TUYẾN 6A5 – 6A9 – 6A10



Thầy Dũng
0902. 407. 503

PHÉP CHIA PHÂN SỐ

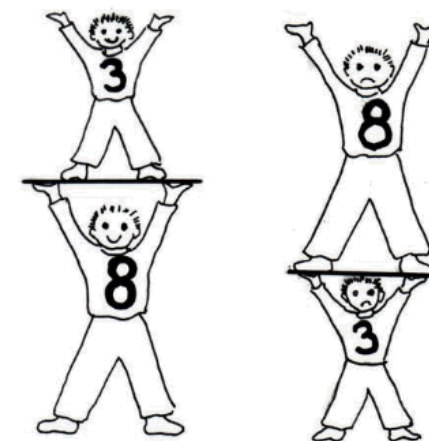
1. Số nghịch đảo.

$$a) \frac{8}{3} \cdot \frac{3}{8} = \frac{24}{24} = 1$$

$$b) \frac{-5}{9} \cdot \frac{9}{-5} = \frac{-45}{-45} = 1$$

• Ta nói: $\frac{8}{3}$ là **số nghịch đảo** của $\frac{3}{8}$

$\frac{8}{3}$ và $\frac{3}{8}$ là hai số nghịch đảo của nhau



- Hai số gọi là nghịch đảo nếu tích của chúng bằng 1.



PHÉP CHIA PHÂN SỐ

2. Quy tắc chia phân số:

$$\frac{a}{b} : \frac{c}{d} = \frac{a}{b} \cdot \frac{d}{c}$$

Áp dụng 1: Thực hiện phép tính

$$\text{a) } \frac{5}{6} : \frac{-10}{3}$$

$$= \frac{5}{6} \cdot \frac{10}{-3}$$

$$= -\frac{1}{4}$$

$$\text{b) } -7 : \frac{7}{6}$$

$$= -7 \cdot \frac{6}{7}$$

$$= -6$$

$$\text{c) } -\frac{7}{6} : 14$$

$$= -\frac{7}{6} \cdot \frac{1}{14}$$

$$= -\frac{1}{12}$$

$$\text{d) } \frac{15}{7} - \frac{8}{7} : \frac{4}{21}$$

$$= \frac{15}{7} - \frac{8}{7} \cdot \frac{21}{4}$$

$$= \frac{15}{7} - 6$$

$$= -\frac{27}{7}$$



PHÉP CHIA PHÂN SỐ

2. Quy tắc chia phân số:

$$\frac{a}{b} : \frac{c}{d} = \frac{a}{b} \cdot \frac{d}{c}$$

Áp dụng 2: Tìm x

$$\text{a) } \frac{5}{7} \cdot x = \frac{5}{6}$$

$$x = \frac{5}{6} : \frac{5}{7}$$

$$x = \frac{7}{6}$$

$$\text{b) } \frac{4}{5} : x = -\frac{2}{3}$$

$$x = \frac{4}{5} : \frac{-2}{3}$$

$$x = -\frac{6}{5}$$

$$\text{c) } \frac{7}{6} \cdot \left(x + \frac{1}{5} \right) = \frac{-14}{15}$$

$$x + \frac{1}{5} = \frac{-14}{15} : \frac{7}{6}$$

$$x + \frac{1}{5} = \frac{-4}{5}$$

$$x = \frac{-4}{5} - \frac{1}{5} = -1$$

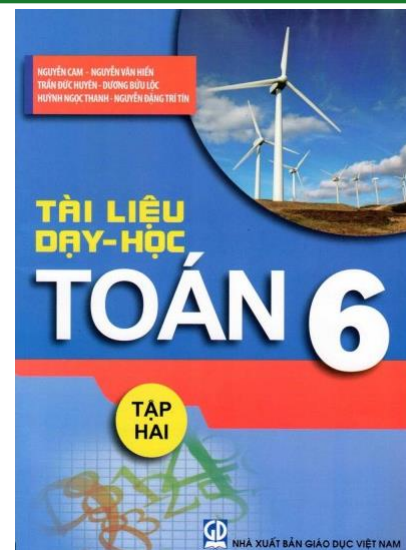


BÀI TẬP VỀ NHÀ

* Bài 1; 2; 7 và 8 trang 54 TLDH .

* Nộp bài về Zalo:

 **0903 187 100**



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Bài 2 trang 54:

$$\begin{aligned} \text{a)} \quad \frac{4}{7} &: \left(\frac{2}{3} \cdot \frac{8}{7} \right) \\ &= \frac{4}{7} : \frac{16}{21} = \frac{3}{4} \end{aligned}$$

$$\begin{aligned} \text{b)} \quad \frac{2}{7} &+ \frac{5}{7} \cdot \frac{14}{25} \\ &= \frac{2}{7} + \frac{2}{5} = \frac{24}{35} \end{aligned}$$

$$\begin{aligned} \text{c)} \quad \frac{5}{9} &: \frac{10}{3} - 1 \\ &= \frac{1}{6} - 1 = \frac{-5}{6} \end{aligned}$$

$$\begin{aligned} \text{d)} \quad -\frac{1}{2} \cdot \frac{4}{7} &+ \frac{3}{7} : \frac{15}{4} \\ &= -\frac{2}{7} + \frac{4}{35} \\ &= \frac{-6}{35} \end{aligned}$$

Bài 7 trang 54:

$$\begin{aligned} \text{a)} \quad x \cdot \frac{1}{2} &= \frac{3}{8} \\ x &= \frac{3}{8} : \frac{1}{2} = \frac{3}{4} \end{aligned}$$

$$\begin{aligned} \text{d)} \quad \frac{5}{6} \cdot x &= \frac{-1}{6} : \frac{2}{3} \\ \frac{5}{6} \cdot x &= \frac{-1}{4} \\ x &= \frac{-1}{4} : \frac{5}{6} = \frac{3}{10} \end{aligned}$$

$$\begin{aligned} \text{e)} \quad x : \frac{2}{11} &= 3 \frac{2}{3} \\ x : \frac{2}{11} &= \frac{11}{3} \\ x &= \frac{11}{3} \cdot \frac{2}{11} = \frac{2}{3} \end{aligned}$$

$$\begin{aligned} \text{e)} \quad \frac{-2}{5} + \frac{2}{7} : x &= \frac{1}{4} \\ \frac{2}{7} : x &= \frac{1}{4} + \frac{2}{5} \\ \frac{2}{7} : x &= \frac{13}{20} \\ x &= \frac{2}{7} : \frac{13}{20} = \frac{40}{91} \end{aligned}$$

$$\begin{aligned} \text{b)} \quad 5 \frac{4}{7} : x &= 13 \\ \frac{39}{7} : x &= 13 \\ x &= \frac{39}{7} : 13 = \frac{3}{7} \end{aligned}$$

$$\begin{aligned} \text{f)} \quad \left(x - \frac{2}{15} \right) \cdot \frac{9}{25} &= -\frac{6}{25} \\ x - \frac{2}{15} &= \frac{-6}{25} : \frac{9}{25} \\ x - \frac{2}{15} &= \frac{-2}{3} \\ x &= -\frac{2}{3} + \frac{2}{15} = \frac{-8}{15} \end{aligned}$$



Bài 8 trang 54:

$$\begin{aligned}
 A &= \frac{5}{19} \cdot \frac{7}{11} + \frac{5}{19} \cdot \frac{4}{11} + \frac{14}{19} \\
 &= \frac{5}{19} \cdot \left(\frac{7}{11} + \frac{4}{11} \right) + \frac{14}{19} \\
 &= \frac{5}{19} \cdot 1 + \frac{14}{19} = \frac{5}{19} + \frac{14}{19} = 1
 \end{aligned}$$

$$\begin{aligned}
 B &= \frac{5}{9} \cdot \frac{7}{17} + \frac{5}{9} \cdot \frac{12}{17} - \frac{5}{9} \cdot \frac{2}{17} \\
 &= \frac{5}{9} \cdot \left(\frac{7}{17} + \frac{12}{17} - \frac{2}{17} \right) = \frac{5}{9} \cdot 1 = \frac{5}{9}
 \end{aligned}$$

$$\begin{aligned}
 C &= \frac{-6}{7} \cdot \frac{1}{4} + \frac{1}{3} \cdot \left(\frac{-6}{7} \right) - \frac{1}{2} \cdot \left(\frac{-6}{7} \right) \\
 &= \frac{-6}{7} \cdot \frac{1}{4} + \frac{1}{3} \cdot \left(\frac{-6}{7} \right) - \frac{1}{2} \cdot \left(\frac{-6}{7} \right) \\
 &= \frac{-6}{7} \cdot \left(\frac{1}{4} + \frac{1}{3} - \frac{1}{2} \right) = \frac{-6}{7} \cdot \frac{1}{12} \\
 &= -\frac{1}{14}
 \end{aligned}$$

$$\begin{aligned}
 D &= \left(\frac{67}{111} + \frac{2}{39} - \frac{15}{117} \right) \cdot \left(\frac{1}{3} - \frac{1}{4} - \frac{1}{12} \right) \\
 &= \left(\frac{67}{111} + \frac{2}{39} - \frac{15}{117} \right) \cdot \left(\frac{4}{12} - \frac{3}{12} - \frac{1}{12} \right) \\
 &= \left(\frac{67}{111} + \frac{2}{39} - \frac{15}{117} \right) \cdot 0
 \end{aligned}$$

