

Giải bài 1 trang 134 SGK Toán 4 tiết Luyện tập

Bài 1 (trang 134 SGK Toán 4):

a) Viết tiếp vào chỗ chấm :

- Nhận xét : $\frac{2}{3} \times \frac{4}{5} = \dots$; $\frac{4}{3} \times \frac{2}{3} = \dots$

$$\text{Vậy : } \frac{2}{3} \times \frac{4}{5} \dots \frac{4}{5} \times \frac{2}{3}.$$

- Nhận xét : $\left(\frac{1}{3} \times \frac{2}{5}\right) \times \frac{3}{4} = \dots$;

$$\frac{1}{3} \times \left(\frac{2}{5} \times \frac{3}{4}\right) = \dots$$

$$\text{Vậy : } \left(\frac{1}{3} \times \frac{2}{5}\right) \times \frac{3}{4} \dots \frac{1}{3} \times \left(\frac{2}{5} \times \frac{3}{4}\right)$$

- Nhận xét : $\left(\frac{1}{5} \times \frac{2}{5}\right) \times \frac{3}{4} = \dots$;

$$\frac{1}{5} \times \frac{3}{4} + \frac{2}{5} \times \frac{3}{4} = \dots$$

$$\text{Vậy : } \left(\frac{1}{5} + \frac{2}{5}\right) \times \frac{3}{4} \dots \frac{1}{5} \times \frac{3}{4} + \frac{2}{5} \times \frac{3}{4}$$

b) Tính bằng hai cách :

$$\frac{3}{22} \times \frac{3}{11} \times 22; \left(\frac{1}{2} + \frac{1}{3}\right) \times \frac{2}{5};$$

$$\frac{3}{5} \times \frac{17}{21} + \frac{17}{21} \times \frac{2}{5}.$$

Trả lời:

a)

$$-\frac{2}{3} \times \frac{4}{5} = \frac{2 \times 4}{3 \times 5} = \frac{8}{15};$$

$$\frac{4}{5} \times \frac{2}{3} = \frac{4 \times 2}{5 \times 3} = \frac{8}{15}$$

$$\text{vậy: } \frac{2}{3} \times \frac{4}{5} = \frac{4}{5} \times \frac{2}{3}$$

$$-\left(\frac{1}{3} \times \frac{2}{5}\right) \times \frac{3}{4} = \frac{2}{15} \times \frac{3}{4} = \frac{6}{60};$$

$$\frac{1}{3} \times \left(\frac{2}{5} \times \frac{3}{4}\right) = \frac{1}{3} \times \frac{6}{20} = \frac{6}{60}$$

$$\text{Vậy: } \left(\frac{1}{3} \times \frac{2}{5}\right) \times \frac{3}{4} = \frac{1}{3} \times \left(\frac{2}{5} \times \frac{3}{4}\right)$$

$$-\left(\frac{1}{5} + \frac{2}{5}\right) \times \frac{3}{4} = \frac{3}{5} \times \frac{3}{4} = \frac{9}{20};$$

$$\frac{1}{5} \times \frac{3}{4} + \frac{2}{5} \times \frac{3}{4} = \frac{3}{20} + \frac{6}{20} = \frac{9}{20}$$

$$\text{Vậy: } \left(\frac{1}{5} + \frac{2}{5}\right) \times \frac{3}{4} = \frac{1}{5} \times \frac{3}{4} + \frac{2}{5} \times \frac{3}{4}$$

$$\text{b) } \frac{3}{22} \times \frac{3}{11} \times 22 = \left(\frac{3}{22} \times \frac{3}{11}\right) \times 22 = \frac{9}{242} \times 22 = \frac{198}{242} = \frac{9}{11}$$

$$\frac{3}{22} \times \frac{3}{11} \times 22 = \frac{3}{22} \times \left(\frac{3}{11} \times 22\right) = \frac{3}{22} \times \frac{66}{11} = \frac{198}{242} = \frac{9}{11}$$

$$\left(\frac{1}{2} + \frac{1}{3}\right) \times \frac{2}{5} = \frac{5}{6} \times \frac{2}{5} = \frac{10}{30} = \frac{1}{3}$$

$$\left(\frac{1}{2} + \frac{1}{3}\right) \times \frac{2}{5} = \frac{1}{2} \times \frac{2}{5} + \frac{2}{5} \times \frac{1}{3} = \frac{2}{10} + \frac{2}{15} = \frac{10}{30} = \frac{1}{3}$$

$$\frac{3}{5} \times \frac{17}{21} + \frac{17}{21} \times \frac{2}{5} = \frac{51}{105} + \frac{34}{105} = \frac{85}{105} = \frac{17}{21}$$

$$\frac{3}{5} \times \frac{17}{21} + \frac{17}{21} \times \frac{2}{5} = \frac{3}{5} \times \frac{17}{21} + \frac{2}{5} \times \frac{17}{21}$$

$$= \left(\frac{3}{5} + \frac{2}{5}\right) \times \frac{17}{21} = \frac{5}{5} \times \frac{17}{21} = 1 \times \frac{17}{21} = \frac{17}{21}.$$