

TÀI LIỆU TOÁN BỒI DƯỠNG HỌC SINH GIỎI LỚP 5
HƯỚNG DẪN ĐỀ BÀI TẬP VỀ NHÀ
Liên hệ đăng kí học: 0832.64.64.64

Họ và tên:.....Ngày học:.....

Câu 3. Tính:

a) $6\frac{1}{4} + 3\frac{3}{4}$

b) $12\frac{5}{7} - 9\frac{5}{7}$

c) $3\frac{2}{5} \times 2\frac{1}{7}$

d) $8\frac{1}{6} : 2\frac{1}{2}$

e) $4\frac{2}{5} \times 10 \times 1\frac{23}{33} \times \frac{9}{14}$

f) $3\frac{1}{5} \times 2\frac{1}{7} : \frac{4}{49} \times 1\frac{1}{7}$

HD

a) $6\frac{1}{4} + 3\frac{3}{4} = 6 + \frac{1}{4} + 3 + \frac{3}{4} = 9 + \left(\frac{1}{4} + \frac{3}{4}\right) = 9 + 1 = 10$

b) $12\frac{5}{7} - 9\frac{5}{7} = \left(12 + \frac{5}{7}\right) - \left(9 + \frac{5}{7}\right) = 12 + \frac{5}{7} - 9 - \frac{5}{7} = (12 - 9) + \left(\frac{5}{7} - \frac{5}{7}\right) = 3 + 0 = 3$

c) $3\frac{2}{5} \times 2\frac{1}{7} = \frac{17}{5} \times \frac{15}{7} = \frac{17}{5} \times \frac{3 \times 5}{7} = \frac{51}{7}$

d) $8\frac{1}{6} : 2\frac{1}{2} = \frac{49}{6} : \frac{5}{2} = \frac{49}{3 \times 2} \times \frac{2}{5} = \frac{49}{15}$

e) $4\frac{2}{5} \times 10 \times 1\frac{23}{33} \times \frac{9}{14} = \frac{22}{5} \times \frac{10}{1} \times \frac{56}{33} \times \frac{9}{14} = \frac{2 \times 11}{5} \times \frac{2 \times 5}{1} \times \frac{14 \times 4}{3 \times 11} \times \frac{3 \times 3}{14} = 48$

f)

$3\frac{1}{5} \times 2\frac{1}{7} : \frac{4}{49} \times 1\frac{1}{7} = \frac{16}{5} \times \frac{15}{7} : \frac{4}{49} \times \frac{8}{7} = \frac{16}{5} \times \frac{15}{7} \times \frac{49}{4} \times \frac{8}{7}$
 $= \frac{4 \times 4}{5} \times \frac{3 \times 7}{7} \times \frac{7 \times 7}{4} \times \frac{8}{7} = 4 \times 3 \times 8 = 96$

Câu 5. Tìm x biết:

a) $x - \frac{3}{4} = 2\frac{1}{4}$

b) $x \times 4\frac{1}{5} = 5 + \frac{1}{4}$

c) $x \times 3\frac{2}{3} - 1\frac{2}{3} = 2\frac{1}{3}$

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

HD

a)

$$x - \frac{3}{4} = 2\frac{1}{4}$$

$$x - \frac{3}{4} = \frac{9}{4}$$

$$x = \frac{9}{4} + \frac{3}{4}$$

$$x = 3$$

b)

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

$$x \times \frac{21}{5} = \frac{21}{4}$$

$$x = \frac{21}{4} : \frac{21}{5}$$

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

c)

$$x \times 3\frac{2}{3} - 1\frac{2}{3} = 2\frac{1}{3}$$

$$x \times \frac{11}{3} - \frac{5}{3} = \frac{7}{3}$$

$$x \times \frac{11}{3} = \frac{7}{3} + \frac{5}{3}$$

$$x \times \frac{11}{3} = 4$$

$$x = 4 : \frac{11}{3}$$

$$x = \frac{12}{11}$$

d)

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

$$x \times \left(\frac{5}{2} - \frac{3}{4}\right) = \frac{21}{4}$$

$$x \times \frac{7}{4} = \frac{21}{4}$$

$$x = \frac{21}{4} : \frac{7}{4}$$

$$x = 3$$

Câu 6. Tìm y biết:

a) $y : 3\frac{1}{15} - \frac{3}{4} = 2\frac{1}{4}$

b) $y \times 3\frac{2}{3} - 1\frac{2}{3} = 2\frac{1}{3}$

c) $\left(7\frac{1}{2} \times 8\frac{3}{10} + 8\frac{3}{10} \times 2\frac{1}{4} + 4\frac{3}{4} \times 8\frac{3}{10} + 5\frac{1}{2} \times 8\frac{3}{10}\right) : y = 83$

HD

a)

$$y : 3\frac{1}{15} - \frac{3}{4} = 2\frac{1}{4}$$

$$y : \frac{46}{15} - \frac{3}{4} = \frac{9}{4}$$

$$y : \frac{46}{15} = \frac{9}{4} + \frac{3}{4}$$

$$y : \frac{46}{15} = 3$$

$$y = 3 \times \frac{46}{15}$$

$$y = \frac{46}{5}$$

b)

$$y \times 3\frac{2}{3} - 1\frac{2}{3} = 2\frac{1}{3}$$

$$y \times \frac{11}{3} - \frac{5}{3} = \frac{7}{3}$$

$$y \times \frac{11}{3} = \frac{7}{3} + \frac{5}{3}$$

$$y \times \frac{11}{3} = 4$$

$$y = 4 : \frac{11}{3}$$

$$y = \frac{12}{11}$$

$$c) \left(7\frac{1}{2} \times 8\frac{3}{10} + 8\frac{3}{10} \times 2\frac{1}{4} + 4\frac{3}{4} \times 8\frac{3}{10} + 5\frac{1}{2} \times 8\frac{3}{10} \right) : y = 83$$

$$\left[8\frac{3}{10} \times \left(7\frac{1}{2} + 2\frac{1}{4} + 4\frac{3}{4} + 5\frac{1}{2} \right) \right] : y = 83$$

$$\left(8\frac{3}{10} \times 20 \right) : y = 83$$

$$166 : y = 83$$

$$y = 166 : 83$$

$$y = 2$$