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(257)

$$a) \left( \overset{3}{\frac{3}{5}} + \overset{5}{\frac{1}{3}} \right) : \frac{2}{3}$$

$$= \left( \frac{9}{15} + \frac{5}{15} \right) : \frac{2}{3}$$

$$= \frac{14}{15} \cdot \frac{3}{2} = \frac{42}{30} \stackrel{6}{=} \frac{7}{5} = 1 \frac{2}{5}$$

$$b) \left( \overset{5}{\frac{2}{3}} + \overset{3}{\frac{3}{5}} \right) : \frac{3}{4}$$

$$= \left( \frac{10}{15} + \frac{9}{15} \right) : \frac{3}{4}$$

$$= \frac{19}{15} \cdot \frac{4}{3} = \frac{76}{45} = 1 \frac{31}{45}$$

$$c) \left( \overset{3}{\frac{7}{8}} + \overset{4}{\frac{5}{6}} \right) : \frac{3}{5}$$

$$= \left( \frac{21}{24} + \frac{20}{24} \right) : \frac{3}{5} = \frac{41}{24} \cdot \frac{5}{3} = \frac{205}{72}$$

$$= 2 \frac{61}{72}$$

$$d) \left( \frac{8}{7} \cdot \frac{1}{2} \right) : \frac{1}{14} = \frac{8}{14} : \frac{1}{14} = \frac{8}{14} \cdot \frac{14}{1} = \frac{112}{14} \stackrel{14}{=}$$

$$= \frac{8}{1} = 8$$

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$$\begin{aligned} \text{a) } & \frac{2}{3} : \frac{3}{4} + \frac{6}{7} : \frac{3}{4} \\ & = \frac{2}{3} \cdot \frac{4}{3} + \frac{6}{7} \cdot \frac{4}{3} \\ & = \frac{8}{9} + \frac{24}{21} \\ & = \frac{8}{9} + \frac{8}{7} = \frac{56}{63} + \frac{72}{63} \\ & = \frac{128}{63} = 2 \frac{2}{63} \end{aligned}$$

•  $\frac{1}{2} \cdot \frac{1}{3} = \frac{1}{6}$

÷  $\frac{1}{2} : \frac{1}{3} = \frac{1}{2} \cdot \frac{3}{1} = \frac{3}{2} = 1 \frac{1}{2}$

+/-  $\frac{1}{2} + \frac{1}{3} = \frac{3}{6} + \frac{2}{6} = \frac{5}{6}$

Sama nimittäjä

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b c d