

(7c) Module 5 : Révision

no4 a) $\frac{3}{5}$ et $\frac{3}{4} \rightarrow \times 5$
 $\frac{12}{20}$ et $\frac{15}{20}$

b) $\frac{2}{5}$ et $\frac{3}{15}$
 $\frac{6}{15}$ et $\frac{3}{15}$

c) $\frac{4}{9}$ et $\frac{1}{2} \rightarrow \times 9$
 $\frac{8}{18}$ et $\frac{9}{18}$

d) $\frac{5}{8}$ et $\frac{1}{6} \rightarrow \times 4$
 $\frac{15}{24}$ et $\frac{4}{24}$

no5 a) $\frac{1}{5} + \frac{3}{5} = \left(\frac{4}{5}\right)$

b) $\frac{1}{2} + \frac{3}{7} \rightarrow \times 12$
 $\frac{7}{14} + \frac{6}{14}$
 $= \left(\frac{13}{14}\right)$

c) $\frac{2}{3} + \frac{3}{10} \rightarrow \times 3$
 $\frac{20}{30} + \frac{9}{30}$
 $= \left(\frac{29}{30}\right)$

d) $\frac{3}{5} + \frac{1}{4} \rightarrow \times 5$
 $\frac{12}{20} + \frac{5}{20}$
 $= \left(\frac{17}{20}\right)$

no7 a) $\frac{4}{5} - \frac{1}{5} = \left(\frac{3}{5}\right)$

b) $\frac{5}{6} - \frac{1}{3} \rightarrow \times 2$
 $\frac{5}{6} - \frac{2}{6}$
 $= \frac{3}{6} = \left(\frac{1}{2}\right)$

c) $\frac{11}{12} - \frac{1}{2} \rightarrow \times 6$
 $\frac{11}{12} - \frac{6}{12}$
 $= \left(\frac{5}{12}\right)$

no8 a) $\frac{7}{9} \left(\frac{5}{6} \right) \times 3 = \text{Julien}$
 $\frac{14}{18}$ $\frac{15}{18}$

b) $\frac{5}{6} - \frac{7}{9} \rightarrow \times 2$
 $\frac{15}{18} - \frac{14}{18}$
 $= \left(\frac{1}{18} \text{ de plus}\right)$

no 9

$$a) \frac{9}{10} - \frac{2}{5} \xrightarrow{\times 2} \frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \frac{1}{2}$$

$$b) \frac{7}{3} - \frac{5}{6} \xrightarrow{\times 2} \frac{14}{6} - \frac{5}{6} = \frac{9}{6} = \frac{3}{2} = 1\frac{1}{2}$$

$$c) \frac{8}{5} - \frac{1}{4} \xrightarrow{\times 20} \frac{32}{20} - \frac{5}{20} = \frac{27}{20} = 1\frac{7}{20}$$

$$d) \frac{9}{4} - \frac{2}{3} \xrightarrow{\times 12} \frac{27}{12} - \frac{8}{12} = \frac{19}{12} = 1\frac{7}{12}$$

no 11

$$a) \frac{3}{4} < \frac{7}{8} \xrightarrow{\times 2} \frac{6}{8} < \frac{7}{8}$$

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$$b) \frac{7}{8} - \frac{6}{8} = \frac{1}{8} \text{ de plus}$$

no 12

$$\frac{5}{8} - \frac{1}{4} \xrightarrow{\times 2} \frac{5}{8} - \frac{2}{8} = \frac{3}{8} \text{ de reservoir}$$

no 13

$$a) 6\frac{1}{3} + \frac{1}{3} = 6\frac{2}{3}$$

$$b) 1\frac{5}{12} + \frac{1}{6} = 1\frac{7}{12}$$

$$c) 2\frac{3}{10} + 3\frac{1}{5} = 5\frac{1}{2}$$

$$d) 5\frac{1}{4} + 1\frac{2}{5} = 6\frac{13}{20}$$

no 14 a) $3\frac{5}{6} + \frac{4}{6} = 3$
 $\frac{5}{6} + \frac{4}{6} = \frac{9}{6} = \frac{3}{2} = 1\frac{1}{2}$
 $= 4\frac{1}{2}$

b) $4\frac{3}{8} + \frac{1}{4} = 4$
 $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$
 $= 4\frac{5}{8}$

c) $7\frac{3}{10} + 2\frac{4}{5} = 9$
 $\frac{3}{10} + \frac{8}{10} = \frac{11}{10} = 1\frac{1}{10}$
 $= 10\frac{1}{10}$

d) $2\frac{5}{9} + 5\frac{2}{3} = 7$
 $\frac{5}{9} + \frac{6}{9} = \frac{11}{9} = 1\frac{2}{9}$
 $= 8\frac{2}{9}$

no 15 $1\frac{3}{4} + 1\frac{7}{8} = 2$
 $\frac{6}{8} + \frac{7}{8} = \frac{13}{8} = 1\frac{5}{8}$
 $= 3\frac{5}{8}$ d'heures

no 16 a) $4\frac{1}{2} - \frac{3}{8}$
 $\times 4 \left(\frac{9}{2} - \frac{3}{8} \right)$
 $\frac{36}{8} - \frac{3}{8} = \frac{33}{8} = 4\frac{1}{8}$

b) $3\frac{4}{9} - \frac{2}{3}$
 $\times 3 \left(\frac{31}{9} - \frac{6}{9} \right)$
 $= \frac{25}{9} = 2\frac{7}{9}$

c) $5\frac{5}{12} - 3\frac{5}{6}$
 $\frac{65}{12} - \frac{23}{6}$
 $\times 2 \left(\frac{65}{12} - \frac{46}{12} \right)$
 $= \frac{19}{12} = 1\frac{7}{12}$

d) $4\frac{5}{8} - 2\frac{2}{3}$
 $\times 3 \left(\frac{37}{8} - \frac{8}{3} \right) \times 8$
 $\frac{111}{24} - \frac{64}{24} = \frac{47}{24} = 1\frac{23}{24}$

no 17 a) $1\frac{3}{4} < 1\frac{7}{8}$ la 2^e recette
 $\times 2 \left(\frac{7}{4} \quad \frac{15}{8} \right)$

b) $\frac{15}{8} - \frac{14}{8} = \frac{1}{8}$ de plus

no18

$$a) 2\frac{1}{3} + 1\frac{1}{2} \xrightarrow{\times 6} 3 = 3$$

$$\frac{4}{6} + \frac{3}{6} = \frac{7}{6} = 1\frac{1}{6}$$

$$= \left(4\frac{1}{6}\right)$$

$$b) 3\frac{1}{3} - 1\frac{7}{10}$$

$$\xrightarrow{\times 30} \left(\frac{10}{3} - \frac{17}{10}\right) \xrightarrow{\times 30}$$

$$\frac{100}{30} - \frac{51}{30} = \frac{49}{30} = \left(1\frac{19}{30}\right)$$

$$c) 2\frac{1}{6} + 4\frac{7}{8} \xrightarrow{\times 24} 6 = 6$$

$$\frac{4}{24} + \frac{21}{24} = \frac{25}{24} = 1\frac{1}{24}$$

$$= \left(7\frac{1}{24}\right)$$

$$d) 3\frac{1}{2} - 2\frac{3}{4}$$

$$\xrightarrow{\times 4} \left(\frac{7}{2} - \frac{11}{4}\right)$$

$$\frac{14}{4} - \frac{11}{4} = \left(\frac{3}{4}\right)$$

no19

$$2\frac{1}{2} + 2\frac{2}{3} \xrightarrow{\times 6} 4 = 4$$

$$\frac{3}{6} + \frac{4}{6} = \frac{7}{6} = 1\frac{1}{6}$$

$$= \left(4\frac{1}{6}\right)$$

$$6 - 4\frac{1}{6} =$$

$$\xrightarrow{\times 6} \frac{6}{1} - \frac{25}{6} = \left(\frac{11}{6} \text{ d'heure}\right)$$

Evaluation du module : mercredi 22 janvier