

28/09/19.

T.D : fractions.
opérations

m^o1041.

$$a) \frac{9}{7} \times \frac{14}{15} = \frac{\cancel{3} \times 3}{\cancel{7}} \times \frac{\cancel{7} \times 2}{\cancel{3} \times 5} = \frac{6}{5}.$$

$$b) \frac{7}{8} \times \frac{3}{14} \times \frac{4}{9} = \frac{\cancel{7}}{4 \times 2} \times \frac{\cancel{3}}{\cancel{7} \times 2} \times \frac{4}{\cancel{3} \times 3} = \frac{1}{12}$$

$$c) \frac{17}{81} \times \frac{9}{8} \times \frac{7}{34} \times \frac{64}{70} = \frac{17}{9 \times 9} \times \frac{\cancel{9}}{8} \times \frac{\cancel{7}}{17 \times 2} \times \frac{\cancel{8} \times 8}{\cancel{7} \times 10}$$

$$\frac{8}{11} = \frac{\cancel{2} + 2 + 4}{\cancel{2} + 5 + 4} = \frac{2}{5} = \frac{8}{180} = \frac{4}{90} = \frac{2}{45}.$$

m^o5651. Calcul A.

$$1) \frac{2 \times 9}{1 \times 9} + \frac{2}{9} = \frac{18}{9} + \frac{2}{9} = \frac{20}{9}.$$

$$* \frac{20}{9} \times \frac{3}{2} = \frac{10 \times \cancel{2}}{3 \times \cancel{3}} \times \frac{\cancel{3}}{\cancel{2}} = \frac{10}{3}.$$

$$* \frac{40}{3} - \frac{10}{3} = \frac{30}{3} = 10$$

Calcul B

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

$$\ast \frac{15}{8} - \frac{1 \times 8}{1 \times 8} = \frac{15}{8} - \frac{8}{8} = \frac{7}{8}$$

$$2) \text{ Calcul A: } \frac{40}{3} - \left(2 + \frac{2}{9}\right) \times \frac{3}{2}$$

$$\text{Calcul B: } \frac{5}{2} \times \frac{3}{4} - 1$$

Exercice 6217

$$\begin{aligned} a) \quad \frac{5 \times 2}{6 \times 2} + \frac{1 \times 6}{2 \times 6} + \frac{3 \times 3}{4 \times 3} &= \frac{10}{12} + \frac{6}{12} + \frac{9}{12} \\ &= \frac{10+6+9}{12} = \frac{25}{12} \end{aligned}$$

